Supplemental Material

1. Supplemental Methods

All studies were conducted in concordance with the protocols approved by the Washington University and Columbia University institutional review boards.

1.1 Human Left Ventricular Tissue Acquisition and RNA Extraction

Paired LV samples from patients with severe heart failure of ischemic (ICM, n=8) and non-ischemic (NICM, n=8) origin were collected at the time of LVAD implantation (pre-LVAD) and during cardiac transplant (post-LVAD). Clinical parameters and the medical histories of each subject are summarized in Supplemental Table S1. Hemodynamic and echocardiographic parameters of each subject were collected before (first measurement after LVAD implant) and after (last measurement before LVAD removal) LVAD support. Non-failing (NF) human LV samples (n=8) were obtained from Mid-America Transplant Services, where non-failing donor hearts not suitable for transplant due to technical or non-cardiac reasons were collected. For each sample, transmural LV tissue was collected from LV apex, treated with RNA*later* (Qiagen, CA) RNA stabilization reagent and stored at –80°C until extraction of the RNA. Total RNA was isolated from individual LV samples with Trizol (Life technologies, NY) using described methods.[1,2] Agilent RNA 6000 Nano Kit and Agilent 2100 bioanalyzer (Agilent Technologies, CA) were utilized to assess the quality and integrity of the total RNA samples. Only RNA samples with a clear peak between 25-200 nt on electrophenogram (small RNA fraction) and an RNA integrity number (RIN) of at least 8 were used for subsequent library construction and sequencing.

1.2 RNA Library Preparation and Sequencing

RNA libraries were prepared using TrueSeq RNA Sample Prep Kits (Illumina, CA) in accordance with the manufacturer's recommendations. In brief, 3μg of total LV RNA was twice oligo(dT) selected using poly-T oligo-attached magnetic beads. The poly-A(+) RNA was then eluted, fragmented and reverse transcribed into first strand cDNA using random hexamers, followed by second-strand cDNA synthesis. Double-stranded cDNAs were end-repaired and singly adenylated at the 3' ends. Barcoded adapters containing unique six-base index sequences and T-overhangs were ligated to the cDNA samples prepared from each of the individual LV samples. Individual cDNA libraries were PCR amplified and purified; To minimize lane and batch effects in RNASeq experiments, barcoded libraries prepared from NF, paired ICM and NICM samples were mixed and pooled in equimolar (10 nmol/L) amounts and diluted to 4 pmol/L for cluster formation on a single flow cell lane, followed by pair-end sequencing on an Illumina HiSeq 2000 sequencer.

1.3 RNA Sequencing Data Analysis

After separating the multiplexed sequencing data, adapter sequences were removed and the individual libraries were converted to the FASTQ format. A total of 572 million read pairs were obtained from the sequencing of the 40 RNA libraries (Table 1). Sequence reads were aligned to the human genome (hg19) with TopHat (http://tophat.cbcb.umd.edu/), [3] and the resulting alignment files were compiled and reconstructed using Cufflinks (http://cufflinks.cbcb.umd.edu/)[4] for novel transcript identification. Transcripts identified as non-homologous to any known coding or non-coding transcripts were identified and filtered to include only sequences that: (1)are multiexonic; (2) have low protein coding potential (calculated using Coding Potential Assessment Tool v1.2.1 http://lilab.research.bcm.edu/cpat/); and, (3)are expressed at ≥0.5 RPKM (Reads Per Kilobase of exon per Million mapped reads) in more than

one sample to exclude transcripts with low abundance and therefore unreliable for inclusion in analysis of differential gene expression.[5,6] Transcripts fulfilling all of these criteria were considered novel human ventricular lncRNAs. Using these criteria, a total of 113 novel human cardiac lncRNAs were identified (see Results and Figure 1).

Sequence reads aligned to the human genome also underwent clustering, counting and annotation with Cufflinks.[4] For mRNA analyses, the RefSeq and Ensembl transcript (after removal of all non-coding RNAs) databases were chosen as the annotation references. For lncRNA analyses, we generated an annotation database that includes (intragenic and intergenic) lncRNAs from the NONCODE 3.0 human non-coding RNA database (http://www.noncode.org),[7] the Human Body Map lincRNAs catalog (http://www.broadinstitute.org/genome_bio/human_lincrnas/),[6] as well as the 113 novel lncRNAs identified in the human LV samples analyzed here. The read counts of each transcript were normalized to the length of the individual transcript and to the total mapped read counts in each sample and expressed as RPKM. Sequence reads mapped to different isoforms of individual genes were pooled together for subsequent comparative analyses.

1.4 Small RNA Library Construction and Sequencing

Small RNA libraries were prepared using TrueSeq Small RNA Sample Prep Kits (Illumina) in accordance with the manufacturer's instructions. Briefly, 3' and 5' adapters were sequentially ligated to small RNAs (from 1 μg total RNA), followed by a reverse transcription reaction to create single stranded cDNA. The cDNA samples were then PCR amplified and barcoded using a common primer and a primer containing unique six-base index sequence. The amplified libraries derived from small RNA molecules of approximately 22-30 bases were size-

selected/gel-purified and quantified using Qubit dsDNA HS Assay kit (Life Technologies, CA). Barcoded libraries prepared from NF, paired ICM and NICM samples were mixed were pooled in equimolar (10 nmol/L) amounts and diluted to 8 pmol/L for cluster formation on a single flow cell lane, followed by single-end sequencing on an Illumina HiSeq 2000 sequencer.

1.5 Small RNA Sequencing Data Analyses

Sequencing data from samples pooled in the same flow cell lane were separated (demultiplexed) using CASAVA 1.6 software (Illumina). A total of 507 million reads were obtained from sequencing 40 small RNA libraries (Table 1). The sequence reads were analyzed using the miRanalyzer program,[8,9] where the raw sequencing data were transformed and filtered to keep only sequences from 17-26 bases. Using Bowtie,[10] filtered reads were then successively mapped to: (1) miRBase[11] v.18 mouse database (allowing up to two mismatches) to detect known miRNAs; (2) RefSeq and Rfam database to detect contamination from other RNA species. The sequences matching known miRNAs were clustered and counted. The read counts of each known miRNAs were then normalized to the total counts of sequences mapped to miRbase v.18 database and are presented as PMMR (sequences per million mapped reads).

1.6 Sequencing Data Analyses and Statistical Methods

Cuffdiff 2.0 (mRNA and lncRNA) and miRAnalyzer (miRNA) were utilized for differential expression analyses between NF and ICM/NICM samples, where normalized read counts, fold change, and *P* values (corrected for multiple testing) of each transcript were reported (see Results). The statistical significance of differences between paired HF samples before and after LVAD support was evaluated by paired sample Wilcoxon signed rank test, where a two-tailed *P* value <0.05 was considered statistically significant. Gene symbols and PMMR/RPKM

values were imported into MultiExperiment Viewer (MeV v4.7.4) for preparation of heat-map and hierarchical clustering analyses. Partek Genomics Suite version 6.5 (Partek, St Louis, MO) was used for principal component analyses. Correlation coefficients for comparisons of miRNA/mRNA expression between biological replicates were calculated using Excel (Microsoft).

1.7 Quantitative Reverse-Transcription PCR

Total RNA isolated from individual LV samples was reverse transcribed into cDNA using NCode VILO cDNA synthesis Kit (Life Technologies). Transcript quantification for miRNAs was carried out using EXPRESS SYBR GreenER miRNA qRT-PCR Kit (Life Technologies) with NCode universal reverse primer and forward primers designed specifically for each of the miRNAs. All data, analyzed using the threshold cycle relative quantification ($\Delta\Delta C_T$) method, were normalized to the value measured for 5S rRNA. Transcript analyses of atrial natriuretic factor (*ANF*), glyceraldehyde 3-phosphate dehydrogenase (*GAPDH*) and selected lncRNAs were carried out by regular SYBR Green qRT-PCR, using described methods.[1,2]

1.8 Microarray analyses

Microarray data of an independent cohort of human cardiac (11 NF, 11 ICM and 15 NICM) samples were obtained from Harvard Medical School CardioGenomics Programs for Genomic Applications (Affymetrix HG-U133_Plus_2 arrays, GEO accession number: GSE1145).[12] Re-annotation R packages with lncRNA Chip Definition Files (CDFs) were downloaded from GATExplorer website (http://bioinfow.dep.usal.es/xgate/principal.php).[13] Unfiltered raw data were imported in R with Robust Multichip Average (RMA)[14] background

correction and quantile normalization. The mean expression levels of individual lncRNA in NF, ICM and NICM samples were compared. One-way ANOVA with a false discovery rate (FDR) of 0.05 was utilized to identify differentially expressed lncRNA in these samples. A *P*-value (corrected for multiple comparison) <0.001 was considered statistically significant. Hierarchical clustering of the overall expression profiles of lncRNAs and mRNAs was performed by Pearson's correlation with average linkage clustering using MeV v4.7.4.

2. Supplemental Figure Legends

Supplemental Figure 1. Scatter plot of normalized read counts between technical replicates confirms the reproducibility of RNASeq experiments. Scatter plot of the normalized read counts of detectable poly-A(+) RNAs shows high degree of correlation (β=1.00, R^2>0.99) between technical replicates of non-failing LV samples, documenting the reproducibility of the RNASeq experiments.

Supplemental Figure 2. Scatter plot of normalized read counts between technical replicates reveals the reproducibility of miRNASeq experiments. Scatter plot of the normalized read counts of all known miRNA showed high degree of correlation (β=1.06, R^2>0.99) between technical replicates of non-failing LV samples, consistent with high reproducibility of the miRNASeq experiments.

Supplemental Figure 3. Results of qPCR analyses of selected transcripts are highly correlated with RNASeq data. Scatter plot of transcript expression levels quantified with deep sequencing (Y-axis) versus qPCR (X-axis) across all 40 human LV samples reveals that the results obtained with the two methods are highly correlated.

Supplemental Figure 4. Inclusion of low abundance (RPKM 1-3) transcripts does not improve the power of mRNA to discriminate cardiomyopathic samples. The expression heat map and sample clustering dendrogram illustrated were generated including all mRNAs expressed at ≥ 1 RPKM and differentially expressed (ANOVA $P<0.05$) among NF, ICM and NICM samples. Comparison with the mRNA dendrogram in Figure 3A (using only mRNAs expressed at ≥ 3 RPKM) reveals that adding lower abundance mRNAs (1-3 RPKM) to the clustering procedure did not improve the power of mRNAs to discriminate ICM from NICM samples.

Supplemental Figure 5. Expression profiles of a subset of previously reported mRNA and miRNA failed to discriminate between ICM and NICM samples.

Heat map and sample clustering dendrograms generated using 90 mRNAs reported by Kitleson et al[15] (A) or the 29 miRNAs reported by Ikeda et al[16] (B) did not provide distinction between ICM and NICM samples.

Supplemental Figure 6. Selection of classifier genes improves the power of mRNA dendrograms to distinguish cardiomyopathic samples

Expression heat map and clustering dendrogram using only the 100 most differentially-expressed mRNAs identified by RNASeq revealed that the discriminatory power of mRNA profiles improved and, in addition, that the ICM/NICM samples can be better separated, with only 2 ICM and 2 NICM samples misclassified.

Supplemental Figure 7. Clustering dendrogram of the lncRNA and mRNA expression profiles from Cardiogenomic microarray data demonstrated that lncRNAs, but not mRNAs, provide adequate power to discriminate cardiomyopathic samples by etiology

Unsupervised hierarchical clustering of the overall lncRNA (A) and mRNA (B) expression profiles derived from the microarray data of the CardioGenomics Project (11 NF, 11 ICM and 15 NICM)[12] showed that the overall expression profiles of lncRNAs correctly classified all but one NICM samples. The overall expression profiles of mRNAs, however, failed to discriminate ICM from NICM samples.

Supplemental Figure 8. mRNA and miRNA expression signatures do not discriminate LV samples before and after LVAD support. Principal component analyses of mRNA (A, B) and miRNA (C, D) expression profiles in NF samples and in NICM and ICM samples before and after LVAD support reveals that neither the mRNA nor the miRNA expression profile distinguishes LV samples from ICM or NICM failing hearts before and after LVAD support. The variance explained by the principal components chosen is shown on top of each plot.

Supplemental Figure 9. Adding lncRNAs to combined mRNA and miRNA expression profiles increases the power to discriminate ICM samples before and after LVAD support. Expression heat map and unsupervised hierarchical clustering using combined mRNA (n=50) and miRNA (n=28) expression profiles reported by Matkovich et al[17] (A) failed to distinguish pre-LVAD from post-LVAD, ICM samples. Adding the 50 most differentially expressed lncRNAs into the mRNA/miRNA mix (B) greatly improves the discriminatory power and correctly classified pre- and post-LVAD ICM samples, with only one sample misclassified.

Supplemental Figure 10. Adding lncRNAs to combined mRNA and miRNA expression profiles increases the power to discriminate NICM samples before and after LVAD support. Expression heat map and unsupervised hierarchical clustering using combined mRNA and miRNA expression profiles[17] (A) failed to distinguish between pre- and post-LVAD, NICM

samples. Adding the 50 most differentially expressed lncRNAs into the mRNA/miRNA mix (B) greatly improves the discriminatory power and the classification of pre- and post-LVAD NICM samples, with only one post-LVAD NICM sample classified incorrectly.

Supplemental Figure 11. Expression of cardiac mitochondrial lncRNAs is negatively associated with nuclear-encoded mitochondrial regulatory proteins. (A) Dot plot of mitochondrial lncRNA (mito-lncRNA) abundance (relative to the mean value of NF) across all 5 groups of LV samples. There was a trend toward decreasing mito-lncRNA abundance in the HF samples, but this did not reach statistical significance. LVAD support, however, significantly (P=0.007) decreased mito-lncRNA expression in NICM, but not in ICM, LV. (B) Scatter plot of mito-lncRNA abundance (Y-axis) versus the abundance of nuclear-encoded proteins known to regulate mito-lncRNA expression or mitochondrial transcription (X-axis) across all 40 human LV samples reveals that the expression levels of PPRC1 (r=-0.59), GABPA (r=-0.63) and NRF1 (r=-0.63) are negatively associated with cardiac mito-lncRNA expression levels.

Supplemental Figure 12. Additional analyses excluding one potential hypertrophic cardiomyopathy (HCM) sample did not reveal significant differences from the primary results

Additional unsupervised hierarchical clustering and principal component analyses of the expression profiles of human cardiac mRNA (A), miRNA (B) and lncRNA (C), excluding the single potential HCM sample (NICM1) from the NICM group, revealed that lncRNA expression profiles can provide better discrimination between ICM and NICM samples than mRNAs or miRNAs, a result similar to the findings in the primary analyses presented in Figure 3A-C. The variance explained by the principal components chosen is shown on top of each plot. (D)

Unsupervised hierarchical clustering and heat map of lncRNA expression profiles in NF and in NICM samples (excluding NICM1) before and after LVAD support. The results are similar to that of the primary analyses shown in Figure 5A: lncRNA expression profiles can readily distinguish NICM samples before and after LVAD support. (E) The number of miRNAs, mRNAs and lncRNAs that were differentially expressed in NICM, excluding the potential HCM sample, and the percentage of each RNA species improved, normalized or overcorrected by LVAD support, are shown. These results are similar to those obtained in the original analysis shown in Figure 4E and supplemental table S9: a significantly higher proportion of lncRNAs that were abnormally expressed in NICM samples can be improved or normalized with LVAD support, compared to mRNAs and/or miRNAs.

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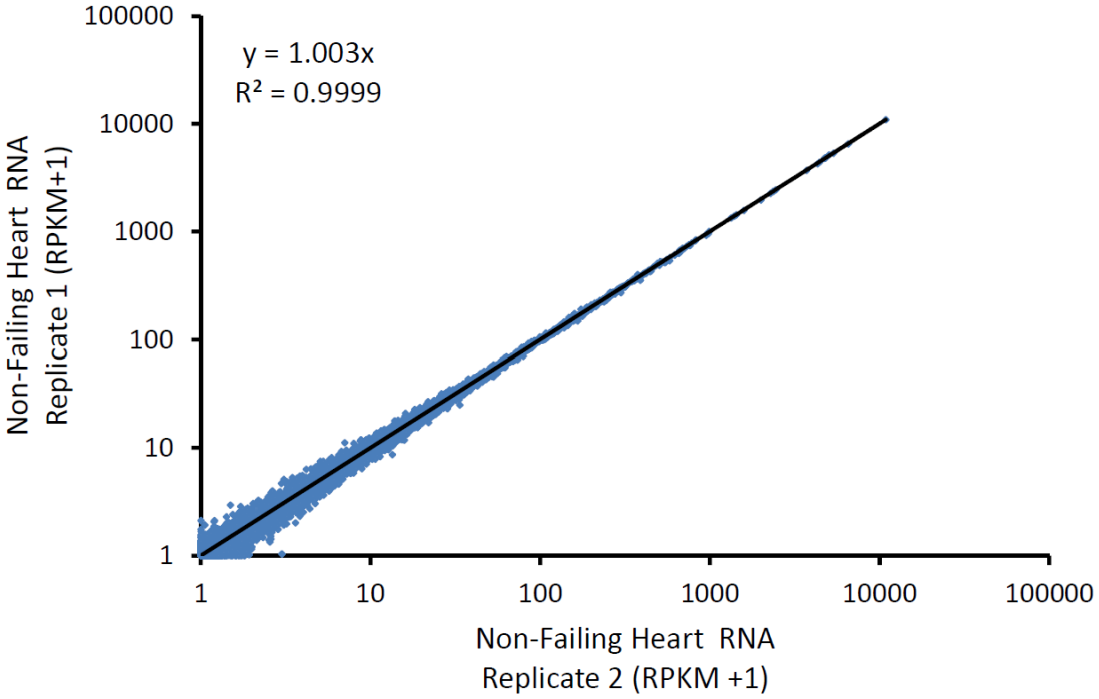
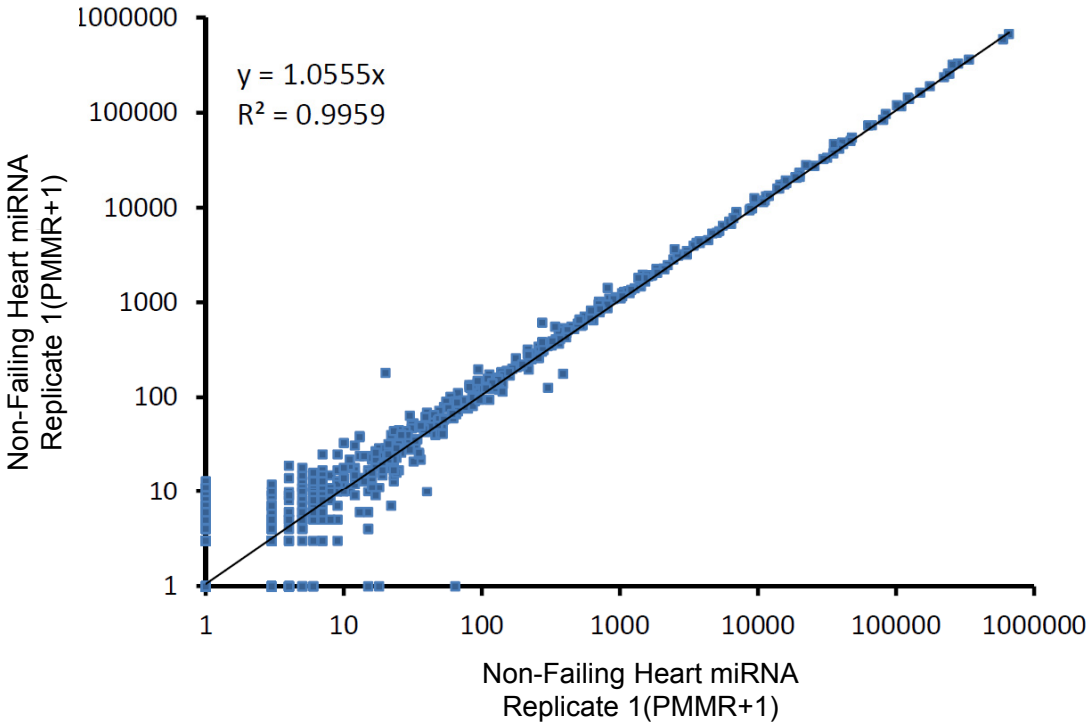
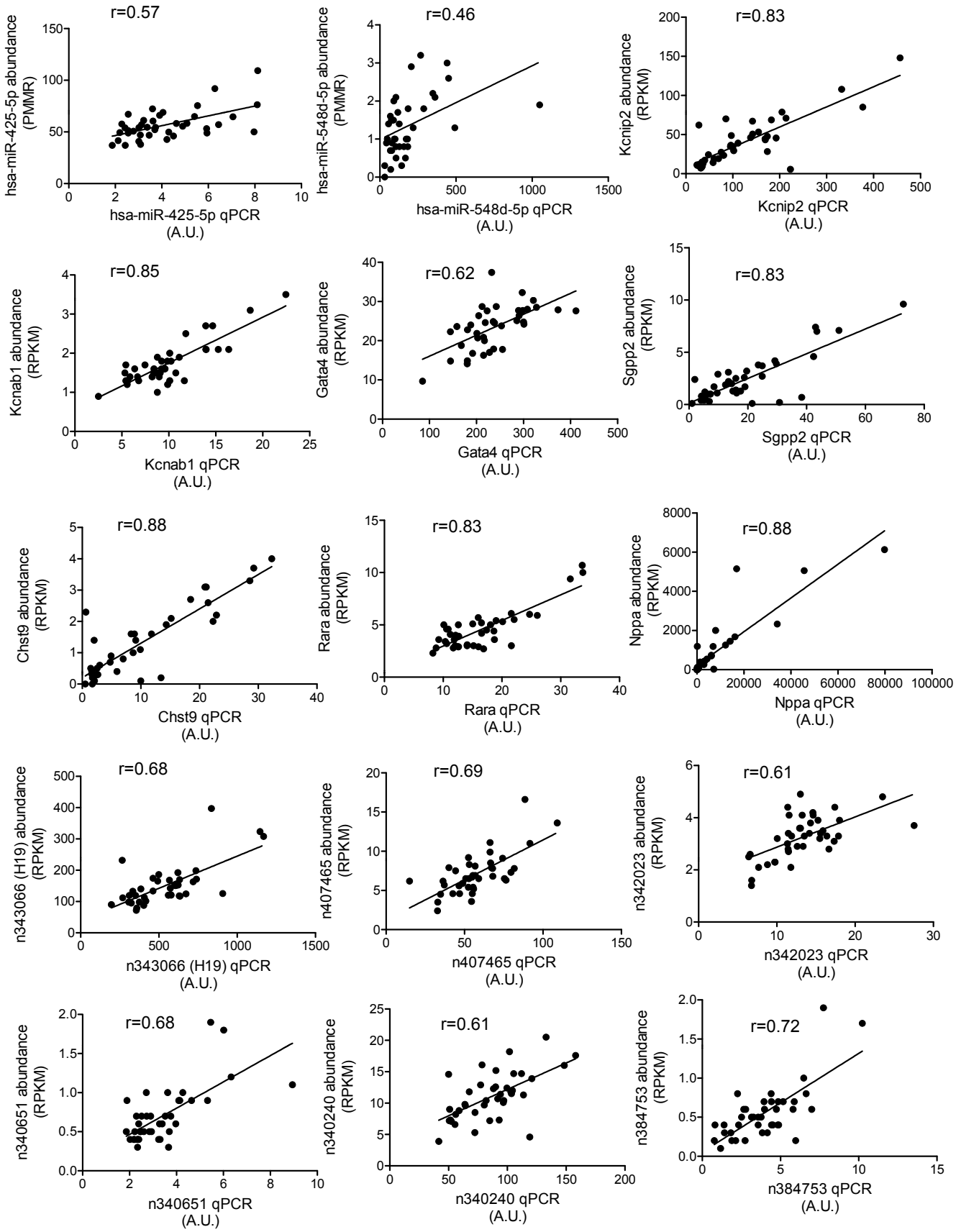


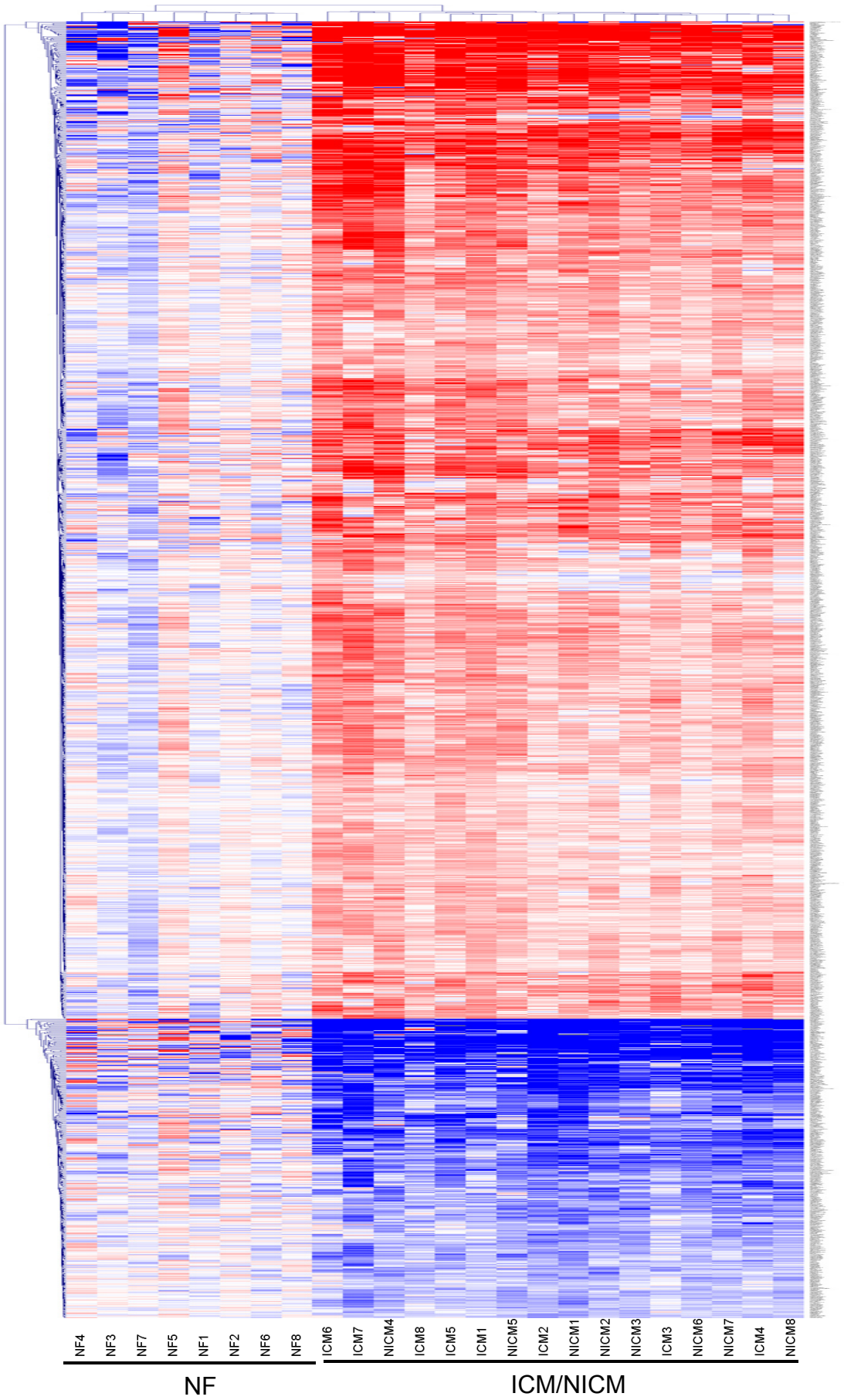
Supplemental Figure. 1 Scatter plot of normalized read counts between technical replicates reveals the reproducibility of RNASeq experiments



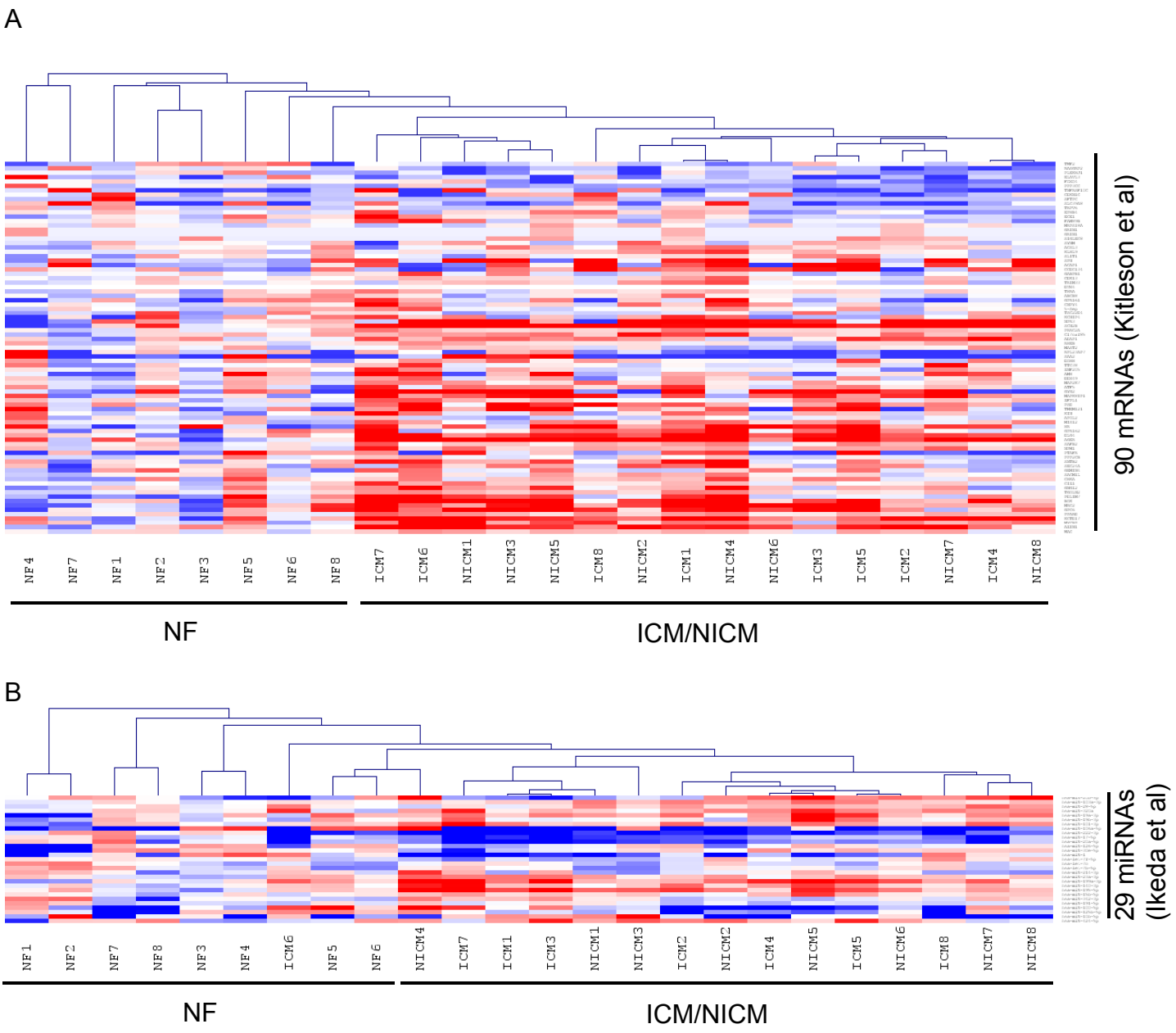
Supplemental Figure. 2 Scatter plot of normalized read counts between technical replicates reveals the reproducibility of miRNASeq experiments



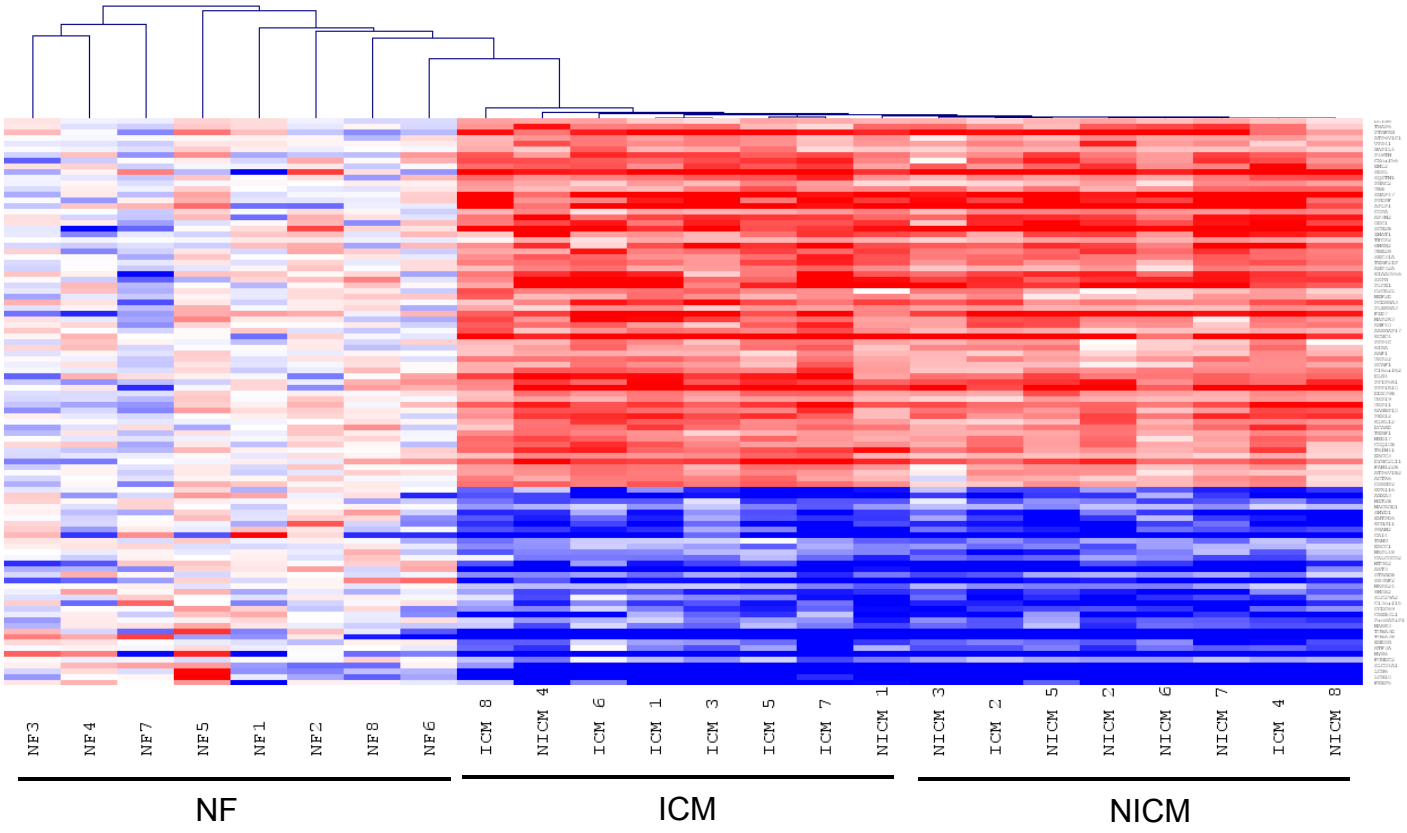
Supplemental Figure 3. qPCR Transcript Quantification Results Are Highly Correlated with RNASeq Data



Supplemental Figure 4. Including lower abundance (RPKM 1-3) transcripts in mRNA dendrogram did not improve the power to discriminate cardiomyopathic samples

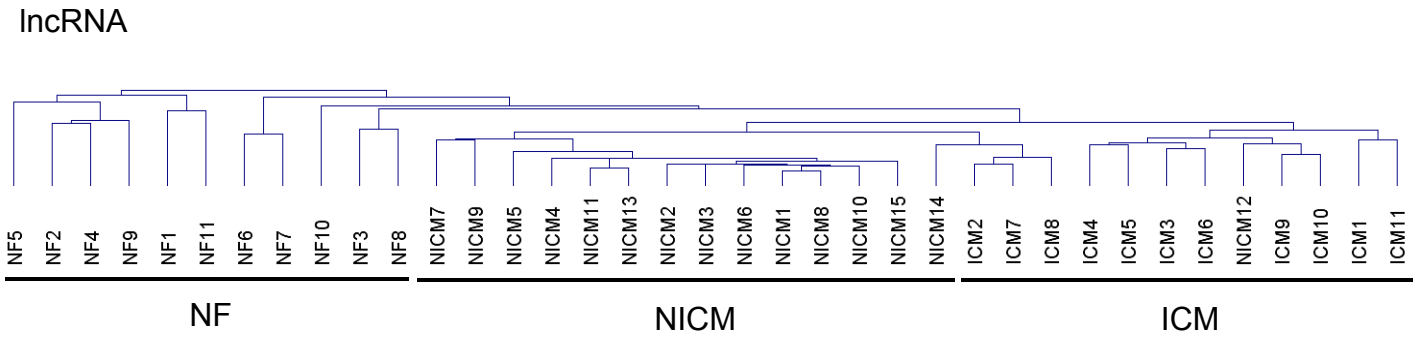


Supplemental Figure 5. Expression profiles of a subset of previously reported mRNA and miRNA failed to discriminate between ICM and NICM samples



Supplemental Figure 6. Proper selection of classifier genes improves the power of mRNA dendrogram to distinguish cardiomyopathic samples

A



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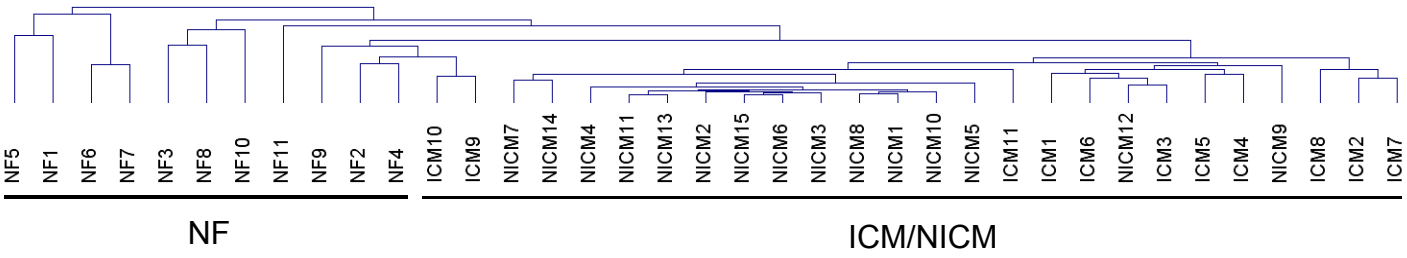
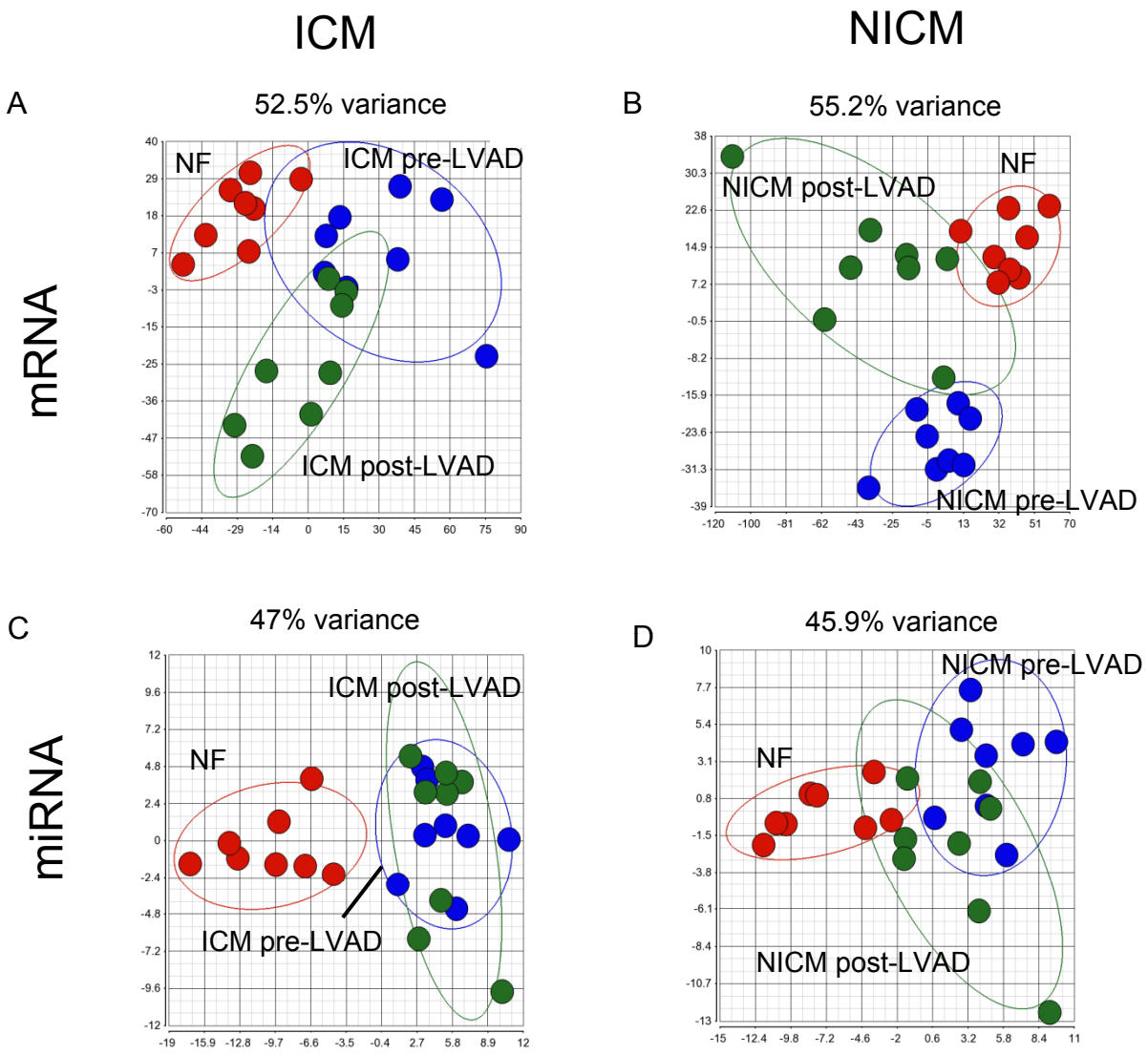
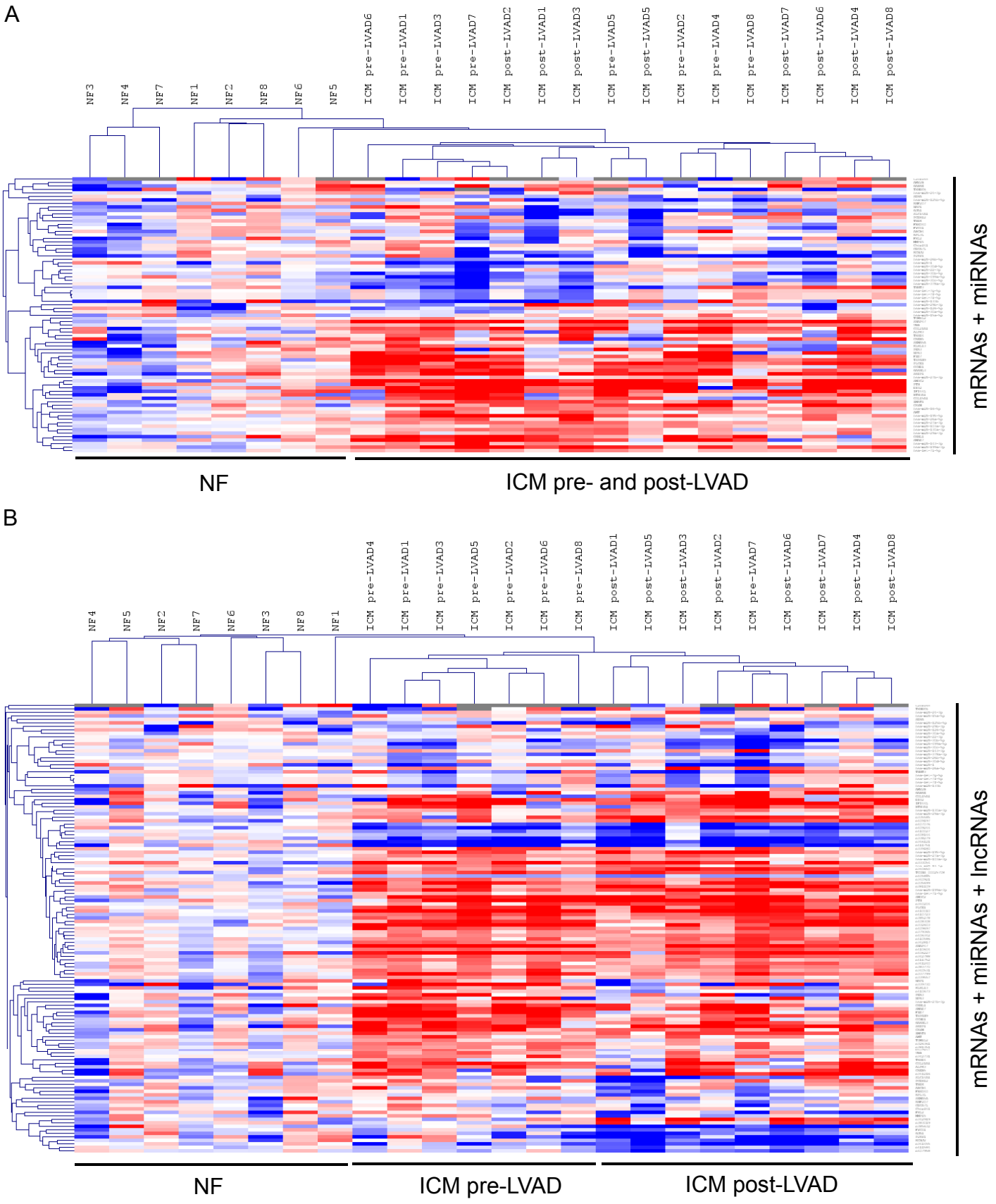


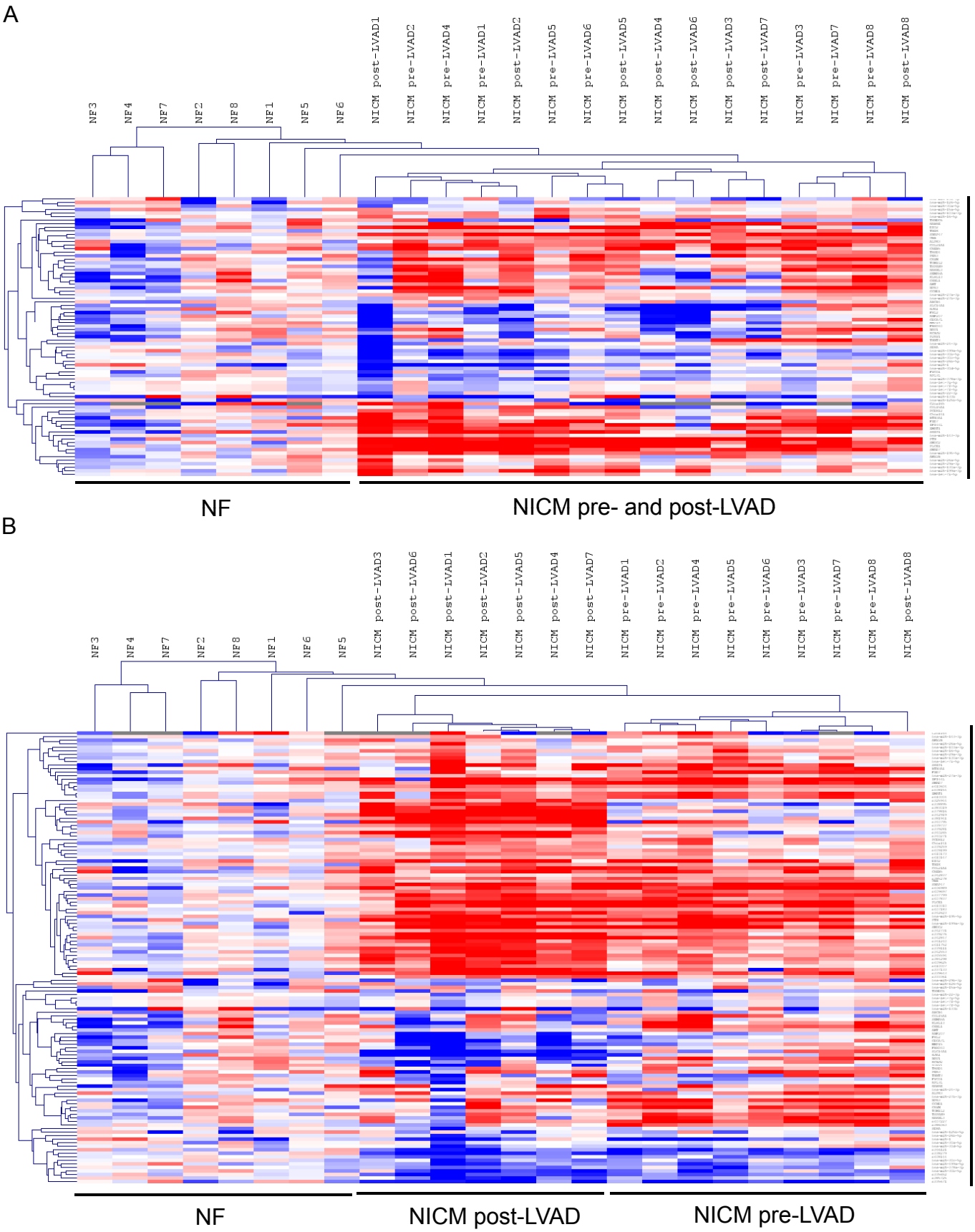
Supplemental Figure 7. Clustering dendrograms of the lncRNA and mRNA expression profiles from CardioGenomics microarray data demonstrated that lncRNAs, but not mRNAs, provide adequate power to discriminate cardiomyopathic samples by etiology



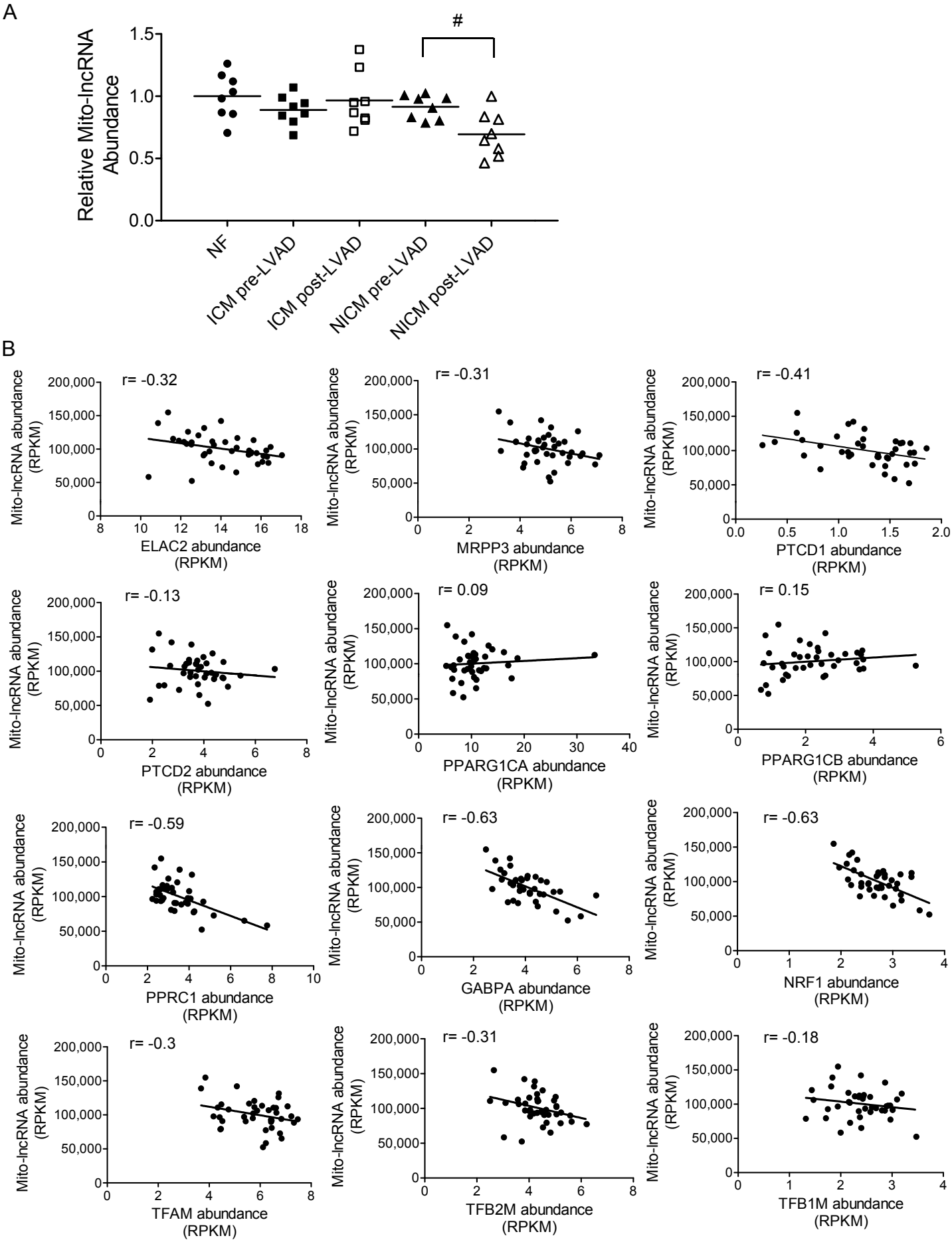
Supplemental Figure 8. mRNA and miRNA expression signatures do not discriminate LV samples before and after LVAD support



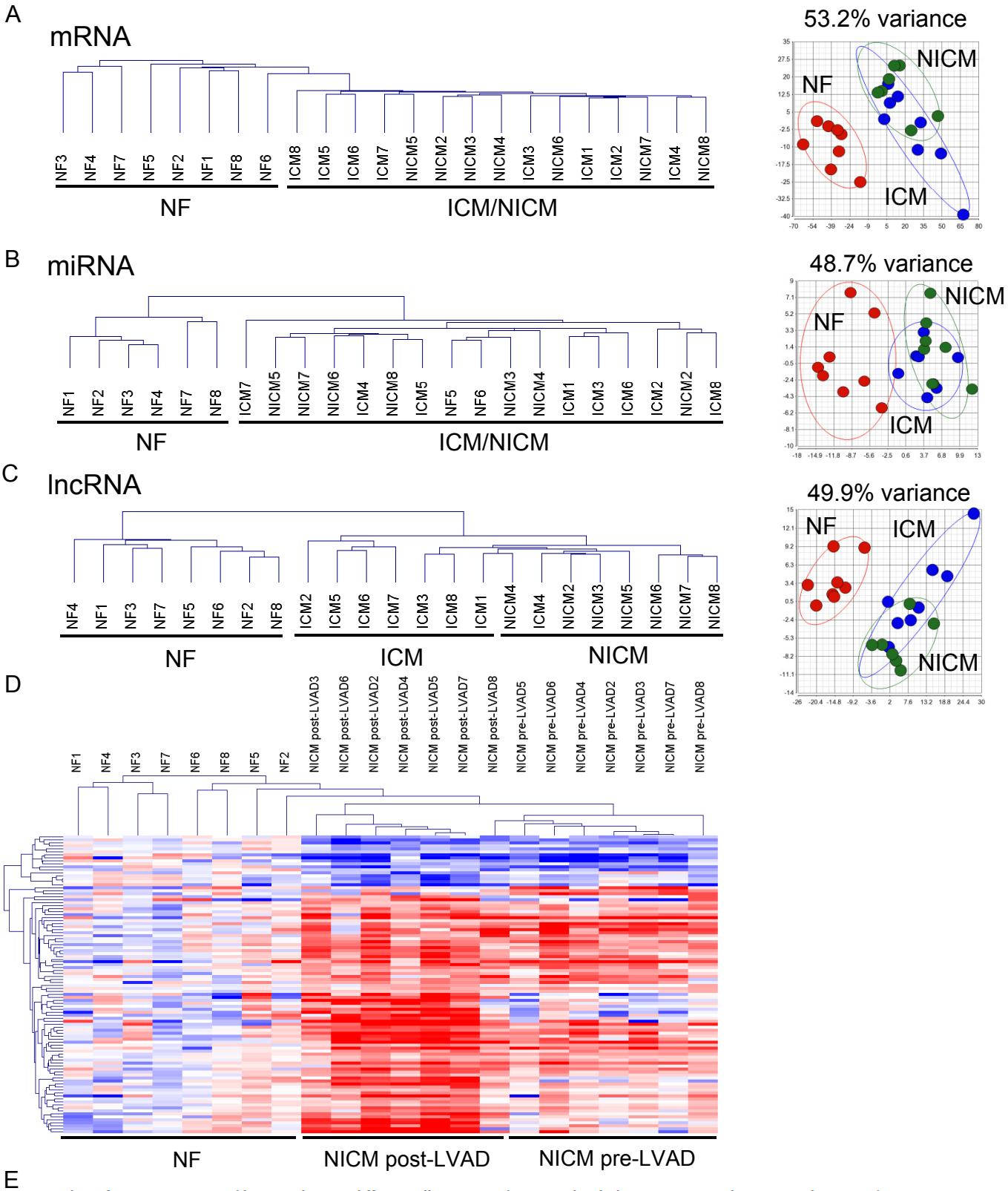
Supplemental Figure 9. Adding lncRNAs to combined mRNA and miRNA expression profiles increases the power to discriminate ICM samples before and after LVAD support.



Supplemental Figure 10. Adding lncRNAs to combined mRNA and miRNA expression profiles increases the power to discriminate NICM samples before and after LVAD support.



Supplemental Figure 11. Expression of cardiac mitochondrial lncRNAs is negatively associated with nuclear-encoded mitochondrial regulatory proteins.



E

Number of miRNA, mRNA and lncRNA that are differentially expressed in NICM (excluding one potential HCM sample, NICM1), and the percentage of each RNA species improved, normalized or overcorrected by LVAD support

NICM (excluding NICM1)	miRNA	mRNA	lncRNA	P value*
Total number differentially expressed	149	1882	543	
Improved with LVAD support	12 (8.0%)	121 (6.4%)	68 (12.5%)	<0.0001
Normalized with LVAD support	6 (4.0%)	60 (3.2%)	34 (6.3%)	0.0048
Overcorrected with LVAD support	1 (0.7%)	54 (2.8%)	17 (3.1%)	

*Chi-square test

Supplemental Figure 12. Additional analyses excluding one potential hypertrophic cardiomyopathy sample did not reveal significant differences from the primary results

Table S1. Summary of the clinical parameters and medical histories of HF patients included in the present study

Sample #	Sex	Race	Age (yr)	Diagnosis	Devices				Surgery	Comorbidities				Pre-VAD		Post-VAD	Pre-VAD Echo		Post-VAD Echo		Medication								Arrhythmia History	
					ICD	BiV	LVAD	Months of VAD		MI/CAD	Valve Disease	DM	History of Smoking	PAH	PAP	PAP	LVEDD (cm)	EF (%)	LVEDD (cm)	EF (%)	ASA	Statin	Amio	Mexil	β–Block	Inotrope	ACE-I	Coumadin	Atrial	Ventricular
ICM1	M	B	54	ICM	✔	✔	✔	5.6	CABG	Y	severe PR	Y	Y	Y	53/30	34/15	6.8	20-25	6	<25	✔	✔	✔		✔		✔	✔		VF
ICM2	M	W	55	ICM	✔	✔	✔	3.7	CABG	Y	N	N	Y	Y	66/32	41/24	6.6	21	6.2	10	✔	✔			✔			✔		
ICM3	M	W	63	ICM	✔	✔	✔	16.9	CABG	Y	N	N	Y	Y	27/19	21/10		<15	5.7	<20	✔	✔	✔					✔	AF	
ICM4	M	W	65	ICM	✔		✔	18.9	CABG	Y	severe MR	N	Y	Y	66/24	25/18	6	22	5.2	<20	✔	✔	✔						AF	
ICM5	M	W	65	ICM			✔	4.8		Y	mild	Y	N	Y	58/27	29/22	6.6	17	4.9	18	✔	✔			✔			✔	AF	
ICM6	M	W	67	ICM	✔		✔	14.1	stents, biVADs	Y	AR, TR, MR	Y	Y	Y	50/26	23/11	7.9	10	7.7	<20	✔	✔			✔	✔	✔	✔		
ICM7	M	B	62	ICM	✔		✔	4.6		Y	severe TR/MR	Y	N	Y	39/25	ND	8	10	2.9	10	✔	✔	✔		✔				AF	
ICM8	M	W	66	ICM			✔	6.8	AV repair	Y	mild MR,AR	N	Y	Y	76/38	ND	7.4	24	6.3	35	✔	✔	✔		✔	✔	✔	✔		VT
NICM1	F	W	65	NICM	✔	✔	✔	4.2	myectomy	N	mild	N	Y	Y	40/26	27/17		15	4	<20			✔					✔	AF	
NICM2	M	W	48	NICM	✔	✔	✔	3.9		N	mild	N	N	Y	47/31	27/19	7.6	10-15	7.4	<20	✔		✔	✔	✔	✔		✔	AF	VT
NICM3	F	W	35	NICM			✔	5.6		N	mild	Y	Y	Y	35/19	21/12	6.4	20-25%	5.1	20	✔				✔			✔		
NICM4	M	W	53	NICM	✔	✔	✔	9.8		N	MR	N	N	Y	37/17	29/17	7	15	7.8	5	✔	✔	✔		✔			✔		VF
NICM5	M	W	58	NICM	✔	✔	✔	5.6		N	severe MR	N	Y	Y	40/21	14/5	8.1	12		<20	✔	✔			✔			✔	SVT	VT
NICM6	M	W	60	NICM	✔		✔	15.7		N	N	Y	Y	Y	36/18	33/18		15	6.3	<35	✔	✔	✔		✔			✔		NSVT
NICM7	F	B	55	NICM	✔		✔	19.5		N	N	Y	N	Y	64/36	41/23	6.4	13	5.4	<20	✔	✔	✔			✔		✔	AF	
NICM8	M	B	64	NICM	✔	✔	✔	23.0		N	mild	N	N	Y	56/22	5/2	6.8	<10	4.5	25	✔		✔		✔	✔		✔	AF	VT

CABG = coronary artery bypass graft; MI/CAD = myocardial infarction/coronary artery disease; Y = yes, N = no;
PR = pulmonic valve regurgitation, MR = mitral valve regurgitation, AR = aortic valve regurgitation, TR = tricuspid valve regurgitation; DM = diabetes mellitus;
PAH = pulmonary artery hypertension, PAP = pulmonary artery pressure; ND = not determined; LVEDD = left ventricular end diastolic dimension, EF = ejection fraction;
ASA = acetylsalicylic acid, Amio = amiodarone, Mexil = mexiletine, ACE-I = angiotensin converting enzyme inhibitor;
AF = atrial fibrillation, SVT = supraventricular tachycardia, VF = ventricular fibrillation, VT = ventricular tachycardia; NSVT = nonsustained VT

Table S2. Summary of the clinical information of non-failing heart donors included in the present study

ID	Cause of Death	Age	Sex	Smoker (yr)	DM	HTN
NF1	stroke	58	M	35		
NF2	gunshot wound	53	M	41		+
NF3	stroke	53	M	1		
NF4	anoxia	51	M			+
NF5	stroke	58	F			
NF6	stroke	60	M	20	+	+
NF7	blunt head trauma	52	M			
NF8	anoxia	54	M			

Table S3. Genomic loci, transcript lengths and normalized read counts of novel lncRNAs in individual LV samples (only genes ≥ 0.5 RPKM in at least two sample were listed)

Chromosome	Start	Stop	Strand	Transcript	Transcript length	Classification	NF1	NF2	NF3	NF4	NF5	NF6	NF7	NF8	ICM pre-LVAD1	ICM pre-LVAD2	ICM pre-LVAD3	ICM pre-LVAD4	ICM pre-LVAD5	ICM pre-LVAD6	ICM pre-LVAD7	ICM pre-LVAD8	NICM pre-LVAD1	NICM pre-LVAD2	NICM pre-LVAD3	NICM pre-LVAD4	NICM pre-LVAD5	NICM pre-LVAD6	NICM pre-LVAD7	NICM pre-LVAD8	ICM post-LVAD1	ICM post-LVAD2	ICM post-LVAD3	ICM post-LVAD4	ICM post-LVAD5	ICM post-LVAD6	ICM post-LVAD7	ICM post-LVAD8	NICM post-LVAD1	NICM post-LVAD2	NICM post-LVAD3	NICM post-LVAD4	NICM post-LVAD5	NICM post-LVAD6	NICM post-LVAD7	NICM post-LVAD8
1	1.1E+08	1.1E+08	-	KCONS_00005012	644	intergenic	3.3	2.0	2.3	1.5	3.2	1.7	1.9	2.2	2.4	3.2	3.1	2.8	2.8	3.0	2.6	3.6	1.9	3.1	3.4	2.4	2.6	2.3	3.4	4.4	3.2	2.8	3.6	2.3	2.0	2.2	3.0	2.7	3.4	4.1	2.0	3.5	3.5	2.2	5.5	4.4
15	3.3E+07	3.3E+07	-	KCONS_00021687	478	genic	5.4	6.7	10.2	7.1	10.2	6.7	9.0	6.5	8.6	7.2	10.0	8.4	6.3	11.8	10.8	9.2	11.0	7.5	11.9	6.6	9.2	5.8	7.6	6.9	8.5	3.8	10.1	9.3	6.1	11.3	10.2	11.5	8.8	8.4	6.8	9.1	8.3	9.8	9.7	6.9
16	1.8E+07	1.8E+07	-	KCONS_00024682	629	intergenic	2.9	11.1	11.5	8.0	9.4	9.5	12.2	11.2	5.8	3.9	6.3	7.0	5.9	8.1	12.1	12.7	8.2	6.2	9.4	2.7	8.6	4.7	7.9	5.7	26.5	15.5	27.3	13.0	5.4	20.7	7.0	12.2	37.1	28.8	32.9	22.3	25.2	18.5	34.0	4.3
16	2.2E+07	2.2E+07	-	KCONS_00024744	448	intergenic	4.5	5.8	5.2	2.2	4.3	3.9	3.4	5.0	7.0	4.9	7.0	4.3	4.1	3.2	4.3	4.9	2.7	6.5	6.6	3.7	3.3	3.6	4.6	5.2	6.2	5.2	5.7	4.6	3.0	6.0	6.0	2.4	2.4	6.4	4.0	3.4	3.2	1.1	4.7	2.9
17	1.6E+07	1.6E+07	+	KCONS_00025963	1199	intergenic	10.6	5.4	2.8	6.6	12.4	8.7	3.9	11.1	1.8	10.5	8.5	9.6	21.2	13.5	4.2	10.8	13.4	12.4	11.8	7.2	8.5	8.3	13.2	8.6	1.1	7.7	4.6	12.0	7.2	18.3	13.8	3.6	10.3	10.3	11.1	6.3	15.7	9.3	14.1	3.8
17	4.5E+07	4.5E+07	-	KCONS_00028668	1018	intergenic	9.3	7.6	4.4	6.0	4.9	4.0	5.0	6.5	8.1	7.5	11.3	5.8	5.5	9.4	2.2	6.3	7.5	9.0	6.1	8.8	5.6	6.4	7.9	7.4	2.9	4.7	10.0	4.7	2.4	2.4	4.8	6.1	4.0	6.2	7.3	5.8	6.6	3.7	4.5	6.0
19	4.9E+07	4.9E+07	+	KCONS_00031950	3617	intergenic	29.5	25.1	25.2	20.3	24.6	13.2	27.1	21.2	28.9	14.3	30.9	30.3	12.0	8.9	19.6	18.2	23.6	28.4	23.9	23.2	11.8	13.7	24.4	17.7	23.4	16.6	32.4	24.2	6.8	14.7	28.2	17.2	13.1	22.9	32.6	23.9	15.3	9.5	23.6	15.8
22	2.3E+07	2.3E+07	+	KCONS_00041663	367	genic	2.7	1.9	1.1	2.3	2.6	2.4	2.7	1.6	2.5	1.7	1.6	1.2	2.5	2.9	3.3	2.2	1.6	2.3	2.5	2.5	2.7	1.3	1.3	1.6	1.3	3.6	1.5	2.3	1.7	3.3	2.0	3.4	6.1	3.1	1.8	2.5	3.0	1.2	2.9	2.1
17	8056765	8058378	-	KCONS_00027818	1468	intergenic	2.7	2.8	3.0	4.0	4.6	2.6	2.6	3.0	1.8	2.4	4.0	4.1	3.5	2.0	2.6	1.7	1.6	2.9	1.3	1.8	2.5	2.0	3.4	1.6	1.9	1.3	1.4	1.9	1.7	4.3	2.5	2.0	0.8	3.0	2.9	2.7	2.0	1.3	3.9	1.4
3	2.7E+07	2.7E+07	-	KCONS_00045115	2530	intergenic	2.1	3.5	2.4	2.4	4.8	2.6	2.4	3.6	2.8	3.5	3.1	2.6	3.0	3.7	2.8	2.8	1.8	2.6	2.8	2.6	2.1	2.2	2.7	3.4	2.2	7.0	4.5	3.4	3.2	3.5	5.8	2.9	0.7	2.1	2.8	1.3	1.5	2.5	2.4	2.9
3	1.4E+08	1.4E+08	-	KCONS_00046291	1208	genic	9.5	3.0	4.4	1.8	4.9	4.9	5.8	8.2	8.5	6.9	8.4	5.8	4.3	2.7	1.8	3.7	3.2	5.4	4.9	3.2	4.7	4.0	5.8	5.7	3.3	3.0	2.9	3.9	3.5	2.0	2.1	3.5	0.7	2.8	4.5	1.1	2.1	1.1	3.8	6.6
15	4.2E+07	4.2E+07	+	KCONS_00020800	1321	intergenic	0.4	2.3	1.4	2.4	2.1	1.2	1.2	2.6	2.8	2.8	1.4	1.8	2.9	2.6	1.5	2.0	2.0	3.5	2.9	1.8	1.7	1.7	3.1	4.2	1.5	2.9	1.2	2.9	2.0	1.8	3.8	2.5	0.8	1.7	2.6	1.6	4.2	4.3	2.7	2.4
16	1.5E+07	1.5E+07	+	KCONS_00023259	1672	intergenic	3.3	3.5	1.5	2.3	3.0	3.5	1.8	5.0	1.7	4.0	5.4	2.0	3.1	8.6	4.5	3.7	3.5	1.3	2.3	3.8	4.6	3.7	3.9	4.0	2.2	6.4	0.0	3.4	3.2	8.0	0.9	3.3	9.0	4.4	3.6	3.9	4.5	4.8	2.1	4.0
2	1E+08	1E+08	-	KCONS_00037698	1094	intergenic	3.4	3.2	0.6	3.8	3.4	1.3	0.9	3.5	2.9	2.7	1.3	2.1	1.7	2.0	3.4	2.0	2.4	2.0	1.8	2.8	2.3	2.6	3.1	3.0	1.8	1.0	2.4	3.2	2.0	2.2	2.3	2.1	1.9	3.0	3.7	1.4	3.0	2.3	2.3	2.6
3	2.7E+07	2.7E+07	-	KCONS_00045116	2410	intergenic	2.3	3.3	3.9	6.1	1.6	0.5	2.2	3.6	4.0	2.5	4.0	3.8	1.9	2.7	3.8	1.4	1.3	0.5	2.8	6.5	1.9	2.1	3.9	2.7	4.3	0.7	1.7	4.9	2.3	1.2	2.4	3.8	4.3	3.8	3.8	2.6	2.0	2.4	3.8	2.2
4	1.7E+08	1.7E+08	+	KCONS_00048234	624	intergenic	3.4	1.7	2.3	3.0	4.0	4.3	2.0	7.4	0.0	2.6	4.0	3.7	4.1	7.0	0.9	5.5	6.2	1.7	4.0	1.5	3.4	3.9	5.5	2.2	0.1	1.4	1.4	2.9	1.6	1.4	3.1	1.3	1.3	2.8	1.5	1.1	6.4	1.7	2.7	2.4
15	4.1E+07	4.1E+07	-	KCONS_00021785	732	intergenic	1.9	1.9	0.9	1.5	1.5	1.4	2.0	1.3	3.1	3.8	0.8	2.9	1.8	0.7	2.3	1.6	1.5	1.6	2.5	2.4	3.1	2.0	2.0	0.9	1.7	3.9	3.5	1.8	1.5	1.7	1.4	1.6	4.2	3.0	3.0	1.5	1.3	2.1	2.6	1.9
2	4.3E+07	4.3E+07	+	KCONS_00035013	2802	intergenic	2.2	2.2	1.2	1.3	2.8	1.0	1.2	1.6	2.2	2.0	0.6	1.0	0.5	2.1	1.9	1.8	1.2	1.4	1.6	2.0	1.3	1.4	1.4	1.4	1.1	2.5	2.4	0.3	0.0	1.4	2.2	1.9	2.5	2.7	1.8	1.7	0.9	1.6	1.7	1.6
16	6.8E+07	6.8E+07	-	KCONS_00025091	859	intergenic	2.1	1.4	1.5	0.4	2.6	2.0	2.4	2.0	2.9	1.3	1.5	0.8	2.8	4.5	1.3	3.7	4.7	4.4	0.8	0.3	3.1	1.7	0.8	1.1	0.6	3.6	3.0	0.5	3.2	3.5	1.8	1.1	2.8	2.6	0.4	3.7	2.9	2.0	2.8	3.0
3	1.3E+08	1.3E+08	+	KCONS_00044247	448	intergenic	0.8	2.8	1.9	0.8	1.4	1.0	1.5	1.8	1.6	1.2	2.0	3.1	1.2	1.1	1.1	1.2	0.2	1.8	1.5	2.3	2.1	2.0	2.2	1.7	1.4	1.1	1.4	2.7	0.7	0.6	1.9	1.1	0.5	0.8	2.1	1.7	2.4	1.0	1.4	1.5
16	5.5E+07	5.5E+07	-	KCONS_00024972	1563	genic	1.8	1.3	1.4	1.1	1.9	1.8	1.4	0.9	1.1	0.7	2.0	3.0	2.9	0.4	2.1	2.4	0.7	1.2	1.1	2.3	2.7	0.5	2.1	0.6	2.4	0.8	1.0	2.1	1.3	1.4	2.1	1.8	3.6	0.6	1.5	1.2	1.6	1.4	2.3	1.5
19	5.3E+07	5.3E+07	-	KCONS_00034196	235	intergenic	4.8	1.9	0.4	1.9	1.5	3.7	1.4	2.4	3.5	2.7	1.6	3.0	1.9	0.4	0.6	1.5	1.4	0.8	2.2	1.9	1.5	1.7	2.1	2.2	2.6	2.1	1.6	2.4	1.3	0.8	1.5	1.2	0.5	0.8	3.1	0.4	1.3	0.5	4.1	2.7
2	1E+07	1E+07	-	KCONS_00036844	851	genic	0.8	1.7	0.4	1.6	2.7	1.8	1.8	1.3	1.0	2.4	2.7	1.9	0.7	1.6	2.7	0.7	0.6	1.3	1.0	2.6	0.8	2.1	1.4	1.4	2.4	1.7	2.1	1.3	1.0	3.1	1.2	1.4	1.7	1.7	1.4	1.2	1.9	1.0	2.3	0.6
3	157540	173037	-	KCONS_00044883	239	genic	1.0	1.2	1.1	1.2	1.6	1.5	0.7	1.3	1.2	0.8	1.0	1.4	1.6	0.9	1.2	1.4	0.7	1.4	1.5	2.3	1.7	0.7	1.2	1.2	1.0	1.8	1.8	1.5	0.7	0.8	1.1	1.3	2.1	1.4	1.3	1.3	1.1	0.5	2.3	1.5
16	3.1E+07	3.1E+07	+	KCONS_00023572	2142	intergenic	1.1	1.7	1.4	0.5	0.9	0.9	0.7	2.0	1.2	3.0	1.5	1.5	1.0	0.7	3.2	1.1	1.6	3.4	2.0	3.2	1.2	0.6	1.5	2.1	0.9	3.1	1.6	2.0	1.7	0.9	2.5	0.9	1.6	2.5	2.2	2.4	3.2	0.0	2.0	1.0
18	2E+07	2E+07	-	KCONS_00030187	798	intergenic	1.2	1.1	1.1	2.2	1.4	0.4	0.6	1.0	0.2	1.3	0.8	1.1	1.9	2.3	2.0	1.6	0.9	2.7	1.1	1.1	0.5	1.3	1.7	1.4	0.3	0.8	3.2	3.1	1.3	2.2	2.0	1.3	0.9	2.0	0.2	1.6	0.9	1.3	2.0	1.1
13	1.1E+08	1.1E+08	+	KCONS_00017660	805	intergenic	1.2	1.7	2.2	0.9	1.1	1.4	0.6	1.6	1.7	0.6	1.1	0.3	0.7	0.6	1.1	1.1	1.1	1.0	0.6	3.6	1.8	0.7	1.1	0.6	0.6	1.3	2.8	1.1	0.8	1.3	1.8	1.2	3.8	3.8	1.3	2.2	4.7	1.2	2.2	1.3
1	1.5E+08	1.5E+08	+	KCONS_00001896	241	intergenic	0.0	1.1	1.2	0.4	0.0	0.0	0.2	0.4	4.1	2.0	0.5	1.3	1.7	4.5	3.2	0.7	10.8	2.4	0.3	0.3	2.2	0.9	4.1	0.9	0.8	1.9	1.7	1.5	2.7	2.4	3.1	5.1	1.6	1.3	0.0	4.6	1.2	5.0	2.0	0.2
19	4.1E+07	4.1E+07	-	KCONS_00033672	1348	intergenic	1.3	0.7	1.0	0.0	1.4	1.1	0.4	2.4	1.1	0.9	1.2	1.2	1.1	3.2	0.9	0.6	0.4	1.3	1.5	1.3	1.1	2.0	1.5	0.9	0.6	1.6	1.2	1.3	1.4	2.3	1.0	1.3	0.3	2.1	0.9	0.6	1.0	1.4	2.2	0.2
3	4.7E+07	4.7E+07	-	KCONS_00045332	605	genic	2.6	0.9	1.0	1.1	2.0	1.8	1.7	1.2	1.8	0.9	0.7	0.9	1.3	1.8	1.8	3.3	1.4	1.0	1.0	1.7	1.9	1.3	1.6	1.1	1.0	1.4	1.7	0.5	0.4	0.4	0.8	1.3	0.7	0.3	0.2	1.0	0.5	1.0	1.0	1.1
1	2985109	2986879	-	KCONS_00003555	528	intergenic	0.6	0.9	0.6	0.6	0.7	0.3	0.8	1.1	1.7	1.2	0.9	1.3	0.9	1.1	2.1	0.5	1.3	1.0	1.4	1.9	1.1	1.0	0.9	1.5	1.9	1.2	1.4	0.7	1.0	1.1	1.0	0.7	2.2	1.3	1.7	0.7	1.0	0.4	1.1	1.8
1	1.5E+08	1.5E+08	+	KCONS_00001898	511	intergenic	3.5	2.3	0.7	1.3	3.7	1.7	2.0	1.4	1.1	1.4	1.4	0.9	0.3	0.3	0.5	1.4	0.5	0.4	0.8	2.0	1.0	1.0	1.2	1.1	0.9	0.0	1.4	1.2	0.7	0.0	0.9	2.1	1.8	0.8	1.6	0.2	0.2	0.8	1.8	0.7
11	1.1E+08	1.1E+08	-	KCONS_00013285	1682	intergenic	1.9	0.3	0.3	0.5	0.3	1.9	0.3	0.2	2.9	0.8	2.1	0.4	0.9	0.7	2.5	1.9	11.5	1.4	1.5	3.7	0.4	1.0	4.0	1.1	0.4	0.0	1.2	1.9	0.5	0.0	2.1	3.4	4.2	1.5	0.4	1.4	0.1	1.2	1.0	0.3
1	931226	934083	-	KCONS_00003428	2792	intergenic	0.8	0.5	0.5	0.1	1.2	1.2	0.6	0.7	1.2	1.1	1.4	1.5	0.6	1.5	1.5	0.7	0.7	1.0	1.1	1.6	0.8	0.8	0.9	0.6	0.8	0.5	1.1	1.6	1.0	1.1	0.9	1.0	2.5	1.0	0.6	0.6	1.0	0.9	1.3	0.5
1	2.2E+08	2.2E+08	-	KCONS_00006357	669	intergenic	1.9	1.0	1.4	0.5	0.0	1.5	0.2	0.1	2.0	0.7	0.8	2.2	1.2	1.3	2.7	1.5	0.7	1.6	0.6	1.4	1.1	1.5	1.1	2.9	0.9	1.4	0.0	1.8	0.0	0.5	1.0	0.8	0.2	0.9	0.8	1.2	0.9	0.8	0.8	1.6
15	2.7E+07	2.7E+07	+	KCONS_00020620	1148	intergenic	1.7	0.7	0.6	0.9	1.0	0.7	0.7	1.1	0.9	1.3	1.7	1.0	1.0	1.2	1.2	1.0	1.1	1.2	1.1	0.9	1.0	0.8	1.1	1.3	0.7	1.0	1.2	1.1	0.6	0.9	0.7	0.9	0.9	1.3	0.8	0.5	1.0	0.8	1.2	1.3
1	2.1E+08	2.1E+08	+	KCONS_00003081	310	intergenic	10.5	15.1	9.7	0.9	1.2	6.6	5.3	5.3	0.6	0.0	0.0	5.6	0.5	0.5	0.2	5.7	0.0	0.8	1.5	1.8	1.0	0.3	2.7	7.5	2.8	0.0	0.0	0.0	0.4	0.0	0.2	5.3	0.0	0.0	1.9	0.9	0.0	0.0	1.0	4.1
16	7.4E+07	7.4E+07	+	KCONS_00024073	425	intergenic	0.0	0.7	1.5	2.9	0.0	1.0	0.0	2.0	0.3	0.5	0.0	1.6	0.0	0.0	1.1	0.1	2.0	2.4	1.3	2.1	0.0	0.1	0.0	0.2	0.0	0.0	3.8	0.9	0.0	0.0	1.1	0.1	3.0	1.5	0.2	0.1	0.8	1.1	2.7	3.0
16	1.8E+07	1.8E+07	-	KCONS_00024684	1159	intergenic	0.0	1.6	0.7	1.3	0.6	0.0	0.2	0.7	1.5	0.8	0.8	1.9	0.2	0.6	1.0	1.0	1.3	0.5	2.1	1.0	0.8	0.3	1.3	1.1	0.9	0.8	1.3	0.7	1.2	1.8	1.1	0.3	2.2	0.3	1.0	0.8	0.4	0.3	1.8	1.3
16	3E+07	3E+07	-	KCONS_00024811	499	intergenic	0.7	1.0	1.2	0.5	1.4	0.8	0.6	1.0	0.5	0.5	0.6	0.2	0.7	1.4	1.4	0.5	0.6	1.0	0.8	0.8	2.3	2.9	1.1	0.5	0.8	0.1	0.7	0.9	0.5	1.3	2.5	0.6	0.2	0.6	1.0	1.1	1.6	5.8	1.4	1.1
12	1098993	1099497	-	KCONS_00015346	259	intergenic	2.8	2.0	1.0	2.6	3.4	0.4	0.8	2.2	0.3	0.7	0.2	0.2	3.5	1.2	0.6	0.5	1.2	1.3	0.9	1.0	1.3	0.8	0.3	0.3	0.5	0.7	0.9	2.1	1.0	0.3	0.7	0.9	1.9	0.8	2.1	0.6	2.2	0.5	0.4	0.6
15	8.5E+07	8.5E+07	-	KCONS_00022534	2221	intergenic	1.4	1.5	0.4	0.7	0.4	1.2	1.0	1.0	1.6	1.1	0.3	0.2	0.0	0.2	0.9	0.8	0.0	0.6	0.4	0.5	1.0	0.0	1.2	1.2	1.5	0.3	0.6	0.3	0.4	0.0	0.4	1.3	0.4	1.3	1.7	1.1	0.5	0.5	1.1	0.3
17	4.6E+07	4.6E+07	-	KCONS_00028690	296	intergenic	1.0	0.9	1.1	0.3	0.9	1.1	0.6	0.9	1.6	0.8	1.2	1.1	0.9	0.8	0.7	0.6	1.2	2.0	1.1	1.7	0.7	0.9	1.3	1.2	0.4	1.4	0.9	0.7	0.6	0.4	0.9	0.8	0.9	1.0	1.3	0.7	0.7	0.8	0.8	1.7
16	1.8E+07	1.8E+07	+	KCONS_00023313	899	intergenic	4.2	1.8	0.4	0.5	1.7	0.8	0.4	1.5	1.2	1.0	0.2	0.6	1.5	0.2	0.4	1.2	0.3	1.3	0.7	1.1	0.2	0.5	0.7	0.8	1.5	1.3	0.3	0.7	1.0	0.4	0.4	0.8	0.0	0.8	0.2	0.4	0.2	0.1	0.3	0.4
4	1.4E+07	1.4E+07	-	KCONS_00048510	1002	intergenic	1.1	0.7	0.0	0.0	1.3	0.0	1.1	2.2	1.1	0.7	2.2	0.0	0.1	0.0	0.0	2.4	0.5	0.3	0.0	0.0	0.9	0.0	0.0	2.0	0.2	1.1	4.0	4.8	0.7	0.0	0.7	0.7	0.9	0.1	0.0	0.0	0.0	0.4	0.0	1.1
1	2E+07	2E+07	+	KCONS_00000469	484	intergenic	0.2	0.2	0.0	0.0	1.0	0.7	0.0	0.3	0.7	1.2	1.0	1.7	0.9	0.5	1.0	1.3	1.2	1.9	0.8	0.7	0.5	0.6	1.1	1.6	0.4	0.5	0.7	0.3	0.6	0.7	0.2	0.3	1.0	1.0	0.6	0.2	0.3	0.4	0.6	0.5
1	2.6E+07	2.6E+07	-	KCONS_00004022	461	Intergenic	0.0	0.0	0.9	0.9	1.2	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5	0.0	1.1	0.0	0.6	2.9	2.3	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.2	0.7	0.0	1.6	0.0	1.1	0.7	3.2
1	2.1E+08	2.1E+08	-	KCONS_00006233	836	intergenic	0.7	0.2	0.3	0.0	0.0	0.5	0.0	0.5	0.7	0.7	1.9	1.6	0.8	0.1	0.1	0.3	2.0	2.0	1.9	0.6	2.5	0.2	2.3	0.9	0.5	0.0	1.3	0.2	0.2	0.7	0.4	0.5	0.4	1.0	0.6	0.8	1.1	0.4	1.4	0.0
16	1.5E+07	1.5E+07	-	KCONS_00024639	523	intergenic	0.8	0.8	0.2	0.1	0.5	0.5	0.6	0.7	1.0	0.6	1.1	0.6	0.6	0.0	1.3	0.6	1.3	1.0	0.7	1.2	0.5	0.1	0.5	0.4	0.8	1.5	0.8	0.3	0.8	0.4	1.1	0.6	2.0	1.1	0.3	0.6	1.2	0.3	0.5	1.1
1	2E+07	2E+07	+	KCONS_00000467	255	intergenic	1.0	0.4	0.1	0.6	0.6	0.4	0.4	0.5	1.1	1.6	1.1	1.4	1.4	1.0	0.7	1.3	1.7	0.4	1.9	0.8	0.4	0.3	0.9	0.8	0.4	0.4	0.6	0.9	0.6	0.2	0.6	0.5	0.9	1.1	0.3	0.4	0.4	0.1	0.7	0.6
3	1.4E+08	1.4E+08	+	KCONS_00044449	424	intergenic	0.9	0.4	0.5	1.8	0.9	0.6	0.5	0.3	1.2	0.8	0.6	0.6	0.5	0.6	0.4	0.9	2.3	1.0	0.3	0.6	0.3	0.7	0.0	0.1	1.1	0.4	1.7	0.8	0.5	0.8	1.2	0.8	1.0	0.8	0.7	0.7	1.2	0.8	1.1	0.5
11	1.2E+08	1.2E+08	+	KCONS_00011545	919	intergenic	4.4	0.6	1.7	0.2	0.3	1.5	0.7	1.0	0.4	0.1	1.1	0.4	0.2	0.0	0.0	0.3	0.0	0.7	1.0	1.3	0.2	0.7	0.1	0.4	0.4	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.1	1.2	0.0	0.0	0.0	0.2	1.7
16	2204814	2205343	-	KCONS_00024445	309	intergenic	1.1	1.0	0.3	0.3	2.2	0.2	1.9	1.0	0.4	0.4	0.6	0.3	0.6	0.9	0.8	1.1	0.3	0.5	0.9	0.2	0.4	1.4	0.0	0.0	0.4	0.0	0.8	0.0	0.0	0.6	0.8	0.6	0.5	0.1	0.6	1.4	1.3	0.7	1.1	0.8
19	5.5E+07	5.5E+07	-	KCONS_00034309	906	intergenic	1.8	1.3	0.3	0.0	0.0	0.9	0.7	1.2	0.3	0.2	1.2	0.6	0.7	1.2	0.6	0.4	0.4	0.0	0.9	0.3	0.0	0.0	0.2	0.8	0.0	0.0	1.0	1.7	0.3	0.3	1.7	1.0	0.5	0.0	0.4	1.9	0.8	0.0	1.0	1.7
2	1.6E+08	1.6E+08	-	KCONS_00038082	596	genic	1.6	0.8	0.7	0.5	0.5	0.5	0.5	1.0	0.7	0.5	0.4	1.2	1.1	0.3	0.5	0.9	0.5	1.2	1.5	0.8	0.7	0.5	1.1	0.9	0.5	0.3	0.6	0.6	0.4	0.8	0.5	0.7	0.2	0.5	1.5	0.5	1.0	0.7	0.9	0.7
15	4.2E+07	4.2E+07	+	KCONS_00020799	1691	intergenic	0.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.5	0.0	0.6	0.0	1.1	0.0	2.1	0.1	0.1	0.7	0.6	0.2	0.0	0.6	0.0	2.1	0.0	0.0	0.8	0.0	1.6	0.0	1.4	0.0	0.0	0.6	0.8	0.0	0.0	0.5	0.0
4	8366096	8367233	-	KCONS_00048477	430	intergenic	0.3	0.8	0.2	0.5	1.1	1.5	0.9	0.5	0.9	0.8	0.8	0.4	0.5	0.8	0.9	0.7	1.4	1.0	1.2	1.6	0.6	0.8	0.6	0.4	0.7	1.1	1.3	0.9	0.3	0.7	0.9	0.6	0.7	0.5	0.4	0.2	0.8	0.5	1.0	0.6
14	1.1E+08	1.1E+08	+	KCONS_00019377	995	intergenic	0.8	0.6	0.2	0.2	0.8	0.6	0.4	0.6	1.1	0.2	1.0	1.5	0.4	0.7	0.8	0.6	0.0	0.9	0.9	0.7	0.3	0.3	0.8	0.2	0.7	2.0	0.3	0.8	0.4	0.2	1.6	0.6	1.3	2.8	0.9	0.2	0.5	1.1	0.7	0.4
16	66575	67378	-	KCONS_00024304	600	intergenic	0.4	1.3	2.2	0.0	0.0	0.2	1.3	0.9	0.9	0.4	0.0	0.9	0.0	0.3	0.3	0.3	0.8	0.2	0.2	0.7	0.9	0.0	0.5	0.8	0.0	0.3	1.2	0.3	0.0	0.0	1.1	0.8	0.7	0.0	0.0	1.7	0.2	0.5	3.2	0.8
19	5.7E+07	5.7E+07	-	KCONS_00034382	256	intergenic	1.2	0.9	0.2	0.0	0.6	0.1	0.5	1.2	1.6	0.9	0.6	0.5	0.6	0.2	0.5	0.8	0.3	1.4	0.2	0.5	0.6	0.6	0.6	0.7	1.8	1.4	0.6	0.5	0.3	1.0	0.4	0.5	0.1	0.4	0.5	0.8	0.3	0.1	0.3	0.8
3	4.7E+07	4.7E+07	-	KCONS_00045333	1113	intergenic	1.3	0.4	0.5	0.5	0.4	0.6	0.3	1.4	0.8	0.4	1.1	0.7	0.3	1.1	0.3	0.7	0.5	1.1	1.2	0.4	0.6	1.1	0.0	0.4	0.8	0.0	0.7	0.0	0.0	0.0	0.4	0.3	0.5	0.4	0.5	0.0	0.4	0.6	0.0	0.6
1	1.7E+07	1.7E+07	-	KCONS_00003774	609	intergenic	0.7	0.6	0.0	0.0	0.2	0.0	0.7	0.1	0.7	1.0	0.3	0.4	0.3	0.9	1.1	1.1	0.8	2.1	0.9	0.2	0.9	0.4	0.7	0.3	0.2	0.9	0.4	0.7	0.0	0.0	1.1	0.9	0.9	1.2	0.6	0.4	0.6	0.7	1.1	0.5
22	2.6E+07	2.6E+07	+	KCONS_00041763	771	intergenic	0.8	0.7	0.5	0.3	1.2	0.3	0.4	0.1	0.5	0.4	1.0	0.7	0.5	0.7	0.8	0.1	0.9	1.5	0.5	1.1	1.0	0.3	0.5	0.7	0.5	0.5	0.6	0.1	0.2	0.6	0.5	1.4	0.6	1.0	0.4	0.4	0.5	0.8	0.5	0.3
19	1.5E+07	1.5E+07	-	KCONS_00033144	798	intergenic	2.0	0.5	0.0	0.1	0.9	0.2	0.1	1.3	0.6	1.3	0.1	0.1	0.9	0.2	0.1	0.1	0.2	0.0	0.2	0.6	0.0	0.1	0.1	0.5	1.4	1.6	0.0	0.9	0.5	0.0	0.1	0.0	0.1	0.3	0.3	0.3	0.0	0.0	0.2	0.4
2	1.1E+07	1.1E+07	+	KCONS_00034715	404	intergenic	1.1	0.5	0.2	0.1	0.5	0.8	0.4	0.3	1.1	0.4	0.9	1.0	0.5	0.3	0.3	0.1	0.4	0.2	0.6	0.5	0.3	0.5	1.0	0.2	0.3	0.1	0.5	0.5	0.2	0.2	0.3	0.5	0.2	0.5	1.5	0.8	0.9	0.1	0.6	0.5
20	3.4E+07	3.4E+07	-	KCONS_00040257	544	intergenic	0.0	0.8	0.5	0.4	0.6	0.2	0.3	0.7	0.4	0.1	0.2	0.1	0.7	0.2	0.9	0.3	0.4	0.1	0.7	0.5	0.5	0.1	0.1	0.5	0.4	1.0	0.8	0.2	0.1	0.4	0.4	0.7	1.7	1.6	0.4	1.5	1.2	0.2	0.5	0.1
3	2.7E+07	2.7E+07	-	KCONS_00045114	2627	intergenic	0.2	0.9	1.0	0.0	0.0	0.0	0.0	1.0	2.2	0.5	0.0	0.0	0.0	0.6	0.0	0.3	0.2	1.9	0.0	0.0	0.3	0.0	0.1	0.4	1.0	0.4	0.5	0.0	0.0	0.0	0.1	0.1	0.2	1.8	0.0	0.0	0.1	0.0	0.0	0.5
10	9.3E+07	9.3E+07	+	KCONS_00007700	644	intergenic	0.5	0.5	0.6	0.2	0.8	0.5	0.4	0.4	0.6	0.6	0.5	0.6	1.0	0.8	1.4	0.4	0.6	0.5	0.6	1.6	0.8	0.5	0.6	0.6	0.3	0.7	0.9	0.3	0.8	0.7	0.6	0.5	1.2	0.6	0.5	0.6	0.4	0.4	0.8	0.9
11	8988102	8989674	+	KCONS_00010004	390	intergenic	0.2	0.3	0.3	0.2	0.5	0.6	0.3	0.7	0.5	0.3	0.8	1.0	0.6	0.6	0.4	1.0	0.2	0.5	0.7	1.9	0.6	0.5	0.7	0.8	0.6	0.6	0.3	0.9	0.5	0.9	0.8	0.4	0.2	1.0	0.4	0.8	1.1	0.0	1.1	0.3
16	1.5E+07	1.5E+07	+	KCONS_00023253	199	intergenic	0.0	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.8	0.0	0.4	0.0	0.4	0.0	0.6	0.6	1.5	0.9	0.3	1.5	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.2	1.7	0.0	0.0	0.3	0.3	0.6	0.2	0.9
19	865869	867582	-	KCONS_00032558	1509	intergenic	0.4	0.5	0.9	0.7	0.3	0.3	0.9	0.3	0.8	0.7	0.4	0.3	1.2	0.5	0.4	0.9	0.5	0.9	0.8	1.4	0.6	0.7	0.7	0.8	0.8	0.4	0.2	0.2	1.1	0.2	0.6	0.7	0.2	0.4	0.9	1.2	1.0	0.1	0.8	0.6
22	2.3E+07	2.3E+07	+	KCONS_00041664	359	intergenic	2.3	0.2	0.0	0.0	0.5	0.2	0.1	0.8	0.9	2.2	0.0	0.1	0.4	0.6	0.0	1.0	0.1	0.2	0.1	0.7	0.1	0.1	0.1	0.4	0.6	1.6	0.2	0.3	0.4	0.1	0.0	0.4	0.0	0.1	0.7	0.4	0.0	0.0	0.4	0.2
3	7.4E+07	7.4E+07	+	KCONS_00043941	572	intergenic	0.7	0.6	0.6	0.6	0.9	0.3	0.4	0.6	0.7	0.6	0.0	0.6	0.5	0.2	0.9	0.8	0.8	1.1	1.0	1.4	0.7	0.7	0.3	0.5	0.7	0.4	0.6	1.2	0.4	0.4	1.3	0.6	0.5	0.7	0.7	0.3	0.4	0.5	0.7	1.0
15	4.2E+07	4.2E+07	+	KCONS_00020798	1046	intergenic	0.0	0.6	0.9	0.1	1.5	0.1	0.1	0.1	0.4	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7	0.1	1.9	0.7	0.1	0.1	0.1	0.8	0.2	0.3	0.1	0.1	0.2	1.2	0.1	0.4	0.7	0.4	0.3	0.9	0.2	0.4	0.5
15	3.1E+07	3.1E+07	-	KCONS_00021671	3604	intergenic	0.0	0.2	0.4	0.6	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	1.3	0.0	0.0	1.6	0.0	0.0	0.6	0.3	0.3	0.0	0.0	1.6	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.4	0.0	0.7	0.5	0.2
16	6.8E+07	6.8E+07	-	KCONS_00025090	539	genic	1.7	0.8	0.7	0.4	1.0	0.1	0.8	0.6	0.3	0.6	1.2	0.2	0.4	0.7	0.0	0.8	1.0	0.7	0.2	0.7	0.2	0.6	0.4	0.4	0.1	0.2	0.4	1.5	0.1	0.3	0.7	0.5	0.1	0.3	0.6	0.0	0.1	0.1	0.4	0.7
17	4.5E+07	4.5E+07	+	KCONS_00026676	952	genic	0.5	0.6	0.2	0.9	0.9	0.9	0.7	1.1	0.7	0.3	0.6	0.4	0.8	0.7	0.8	0.5	0.0	0.9	0.7	1.8	0.5	1.3	0.6	0.6	0.6	0.5	0.3	0.3	0.3	0.6	0.6	0.4	0.7	0.8	0.0	0.4	0.5	0.6	0.6	0.7
22	2.3E+07	2.3E+07	+	KCONS_00041667	356	intergenic	0.7	0.1	0.0	0.3	0.2	0.0	0.0	0.6	0.2	0.2	0.0	0.4	0.0	0.6	0.2	0.0	0.6	1.4	0.0	1.1	0.0	0.0	0.3	0.0	0.2	0.6	0.0	0.0	0.0	0.5	0.0	0.3	2.2	0.7	0.0	0.8	0.0	0.2	0.6	0.0
3	4.7E+07	4.7E+07	+	KCONS_00043579	1890	intergenic	0.0	0.5	0.4	0.2	1.7	0.4	0.2	0.2	1.1	0.3	0.0	0.5	0.2	0.5	0.2	0.4	0.4	0.4	0.5	0.2	0.2	0.4	0.0	0.2	0.1	0.2	0.0	0.5	0.2	1.0	0.8	0.5	0.4	0.5	0.7	0.6	0.5	0.0	0.6	0.4
11	4.7E+07	4.7E+07	-	KCONS_00012334	296	intergenic	0.6	1.3	0.7	0.6	0.1	0.9	1.0	0.5	0.1	0.2	1.5	0.2	0.1	0.0	0.2	0.1	0.0	0.6	0.5	0.0	0.2	0.3	0.2	0.1	0.1	0.2	0.0	0.3	0.1	0.5	0.2	0.1	0.0	0.1	0.2	0.1	0.2	0.0	0.1	0.2
14	1.1E+08	1.1E+08	+	KCONS_00019410	1290	intergenic	0.5	0.3	0.4	0.9	0.4	0.4	0.4	0.6	0.6	0.0	0.5	0.4	0.0	0.0	0.0	0.7	0.0	0.7	0.3	0.7	0.3	1.5	0.0	0.5	0.0	0.9	0.6	0.0	0.0	0.0	0.6	0.7	0.3	0.7	0.4	0.3	0.3	0.0	0.7	1.0
16	1.8E+07	1.8E+07	-	KCONS_00024685	392	intergenic	0.2	0.3	0.1	0.4	0.8	0.3	0.3	0.1	0.1	0.3	0.6	0.6	0.8	0.3	0.6	0.3	0.4	0.1	0.4	1.4	0.5	0.4	0.1	0.5	0.1	0.3	0.9	0.3	0.2	0.4	0.4	0.3	1.8	0.3	0.3	0.8	0.4	0.5	0.1	0.3
19	865869	867582	-	KCONS_00032559	1356	intergenic	0.4	0.4	0.3	0.6	0.4	0.3	0.4	0.5	0.6	0.2	0.2	0.3	0.3	0.5	0.5	0.3	0.2	0.8	0.4	1.6	0.1	0.3	0.4	0.7	0.4	0.7	0.0	0.4	0.3	0.4	0.5	0.3	0.5	0.8	1.1	0.7	0.3	0.0	0.5	0.5
11	6345149	6365871	+	KCONS_00009942	705	intergenic	0.5	0.3	0.2	0.5	0.9	0.1	0.7	0.1	0.7	0.3	0.7	0.9	0.6	0.9	0.8	0.5	0.6	0.1	0.4	1.2	0.3	0.5	0.8	0.5	0.4	0.3	0.6	0.4	0.4	0.1	0.4	0.2	0.7	0.0	0.0	0.6	0.3	0.1	0.5	0.5
11	1.1E+08	1.1E+08	-	KCONS_00013286	1538	intergenic	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.3	0.7	0.0	0.2	0.4	0.0	0.8	0.0	0.3	0.0	0.9	0.8	0.0	0.7	0.4	0.2	0.4	0.4	1.0	0.0	0.0	1.0	0.7	0.0	0.5	0.6	0.4	0.0	0.0	0.0	0.4	0.0
12	1.9E+07	1.9E+07	+	KCONS_00014081	688	intergenic	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.8	0.5	0.4	0.2	1.5	0.0	0.0	0.0	0.8	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.6	0.1
15	6.5E+07	6.5E+07	-	KCONS_00022132	714	intergenic	0.1	0.3	0.2	0.1	0.1	0.2	0.4	0.3	0.3	0.3	1.2	0.1	0.7	0.1	0.2	0.4	0.2	0.7	0.1	0.9	0.5	0.5	0.1	0.4	0.1	0.0	0.3	0.8	0.1	0.2	0.3	0.1	0.4	0.3	0.6	0.2	0.4	0.0	0.3	0.1
16	1.5E+07	1.5E+07	-	KCONS_00024645	522	intergenic	0.7	0.3	0.5	0.0	1.0	0.4	0.4	0.0	0.4	0.0	0.3	0.2	0.5	0.0	0.0	0.6	0.0	0.0	0.4	0.4	0.6	0.0	0.3	0.0	0.5	0.0	0.0	1.2	0.0	0.0	0.3	0.3	0.3	0.4	0.8	0.3	0.5	0.0	0.5	0.0
17	4934791	4935355	+	KCONS_00025705	312	intergenic	0.0	0.3	0.0	0.0	0.0	0.7	0.3	0.8	0.2	0.0	0.0	0.5	0.4	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.2	0.7	0.0	0.4	1.0
17	3.4E+07	3.4E+07	+	KCONS_00026295	506	intergenic	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.8	0.3	0.0	0.0	0.1	0.5	0.0	0.0	1.1	0.0	0.5	0.1	0.4	0.3	0.0	0.3	0.3	0.0	0.0	0.1	0.7	0.0	0.4	0.3	0.0	0.0	0.0	0.1	0.6
17	7.2E+07	7.2E+07	+	KCONS_00027093	1429	intergenic	0.0	0.1	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.7	0.1	0.0	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.0	0.0	0.0	1.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
17	7485436	7486882	-	KCONS_00027778	1083	genic	0.0	0.3	0.0	0.0	0.4	0.4	0.0	0.5	0.0	0.0	0.5	0.7	0.5	0.0	0.3	0.5	0.0	0.0	0.4	0.0	0.0	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.1	0.3	0.0	0.2	0.0	0.6	0.0	0.0	0.3	0.8
2	1.6E+08	1.6E+08	-	KCONS_00038081	317	intergenic	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.0	0.0	0.4	0.6	0.0	0.0	0.0	0.5	0.6	0.0	0.0	0.0	0.0
20	4.9E+07	4.9E+07	-	KCONS_00040514	438	intergenic	0.3	0.1	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.5	0.0	0.4	0.0	0.0	0.1	0.0	0.2	0.2	0.4	1.7	0.0	0.0	0.3	0.1	0.2	0.3	0.0	0.8	0.0	0.2	0.4	0.3	0.0	0.5	0.6	0.6	0.2	0.0	0.1	0.0
21	9895590	9914930	+	KCONS_00040736	4809	intergenic	0.5	0.7	0.0	0.4	0.0	0.0	0.2	0.2	0.8	0.3	0.5	0.5	0.0	0.0	0.2	0.2	0.4	0.4	0.0	1.0	0.0	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.5	0.0	0.3	0.0	0.0	0.0
1	1.2E+08	1.2E+08	+	KCONS_00001818	547	intergenic	0.2	0.4	0.3	0.2	0.1	0.1	0.2	0.1	0.6	0.3	0.5	0.3	0.5	0.3	0.4	0.4	0.4	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.6	0.3	0.2	0.2	0.1	0.2	0.1	0.0	0.1
1	1.1E+08	1.1E+08	-	KCONS_00005021	1091	intergenic	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.0	0.4	0.3	0.9	0.9	0.0	0.0	0.2	0.1	0.6	0.1	0.0	0.8	0.1	0.0	0.3	0.2	0.1	0.0	0.2	0.4	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.1	0.4
10	1.3E+08	1.3E+08	-	KCONS_00009539	601	genic	0.5	0.4	0.8	0.4	0.7	0.5	0.2	0.3	0.8	0.3	0.1	0.4	0.0	0.2	0.0	0.2	0.2	0.8	0.1	0.7	0.2	0.3	0.2	0.7	0.1	0.1	0.0	0.1	0.0	0.3	0.1	0.7	0.3	0.5	0.7	0.5	0.7	0.3	0.4	0.6
13	5.1E+07	5.1E+07	-	KCONS_00017988	640	intergenic	0.0	0.2	0.0	0.5	0.0	0.4	0.0	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.7	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0
14	3.4E+07	3.4E+07	+	KCONS_00018531	263	intergenic	0.1	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.3	0.6	0.2	0.0	0.0	0.0	0.8	0.3	0.0	0.3	0.0	0.0	0.5	0.0	0.2	0.5	0.1	0.3	0.4	0.0	0.0	0.3	0.0	0.2	0.0	0.5	0.0	0.3	0.3	0.0	0.0
15	3.1E+07	3.1E+07	+	KCONS_00020648	604	intergenic	0.3	0.3	0.5	0.3	0.0	0.0	0.0	0.1	0.3	0.4	0.3	0.5	0.3	0.0	0.8	0.3	0.3	0.4	0.4	0.2	0.0	0.0	0.6	0.6	0.2	0.6	0.4	0.3	0.0	0.0	0.4	0.1	0.0	0.4	0.5	0.4	0.0	0.4	0.4	0.6
15	3.1E+07	3.1E+07	-	KCONS_00021672	3453	intergenic	0.2	0.2	0.2	0.1	0.2	0.4	0.5	0.3	0.6	0.8	0.0	0.4	0.5	0.1	0.7	0.3	0.6	0.3	0.3	0.7	0.8	0.4	0.3	0.3	0.6	0.4	0.6	0.3	0.0	0.2	0.2	0.1	0.9	0.8	0.6	0.1	0.4	0.5	0.4	0.2
15	6.7E+07	6.7E+07	-	KCONS_00022192	852	intergenic	0.4	0.5	0.6	0.4	0.0	0.5	0.1	0.3	0.1	0.2	0.0	0.0	0.2	0.4	0.3	0.4	0.0	0.6	0.2	0.2	0.0	0.7	0.8	0.6	0.1	0.5	0.6	0.3	0.3	0.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1
16	3.1E+07	3.1E+07	+	KCONS_00023574	663	intergenic	0.0	0.2	0.0	0.7	0.1	0.0	0.1	0.2	0.3	0.1	0.2	0.2	0.3	0.6	0.3	0.3	0.0	0.7	0.3	0.6	0.7	0.1	0.2	0.4	0.4	0.2	0.0	0.0	0.5	0.0	0.2	0.3	0.6	0.1	0.0	0.4	0.5	0.3	0.3	0.2
16	1.5E+07	1.5E+07	-	KCONS_00024640	1181	intergenic	0.2	0.6	0.3	0.0	0.5	0.8	0.2	0.2	0.3	0.2	0.3	0.3	0.0	0.2	0.3	0.2	0.0	0.1	0.6	0.7	0.2	0.2	0.3	0.3	0.2	0.2	0.4	0.9	0.0	0.0	0.3	0.1	0.2	0.1	0.3	0.2	0.2	0.0	0.0	0.3
16	1.5E+07	1.5E+07	-	KCONS_00024641	1182	intergenic	0.5	0.3	0.2	0.0	0.0	0.0	0.5	0.4	0.7	0.2	0.4	0.5	0.0	0.2	0.4	0.3	0.0	0.1	0.4	0.1	1.0	0.3	0.6	0.1	0.1	0.4	0.0	0.4	0.2	0.2	0.2	0.3	0.6	0.6	0.0	0.1	0.1	0.1	0.4	0.6
18	2E+07	2E+07	-	KCONS_00030188	461	intergenic	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.6	0.0	0.4	0.0	0.0	0.0
19	3.8E+07	3.8E+07	+	KCONS_00031550	1015	intergenic	0.0	0.4	0.3	0.3	0.6	0.1	0.6	0.5	0.4	0.2	0.2	0.4	0.2	0.0	0.5	0.2	0.3	0.1	0.7	0.7	0.2	0.0	0.7	0.2	0.2	0.2	0.5	0.0	0.0	0.0	0.4	0.4	0.7	0.3	0.0	0.3	0.1	0.0	0.5	0.2
19	865869	867582	-	KCONS_00032557	1407	intergenic	0.0	0.3	0.0	0.2	0.6	0.3	0.1	0.2	0.6	0.1	0.2	0.3	0.0	0.4	0.4	0.3	0.2	0.3	0.1	0.3	0.3	0.1	0.6	0.3	0.6	0.4	0.7	0.4	0.2	0.5	0.8	0.8	0.3	0.4	0.5	0.8	0.8	0.3	0.3	0.3
19	2.4E+07	2.4E+07	-	KCONS_00033354	704	intergenic	0.2	0.1	0.5	0.1	0.4	0.3	0.4	0.1	0.5	0.1	0.2	0.1	0.5	0.4	0.4	0.2	0.3	0.1	0.3	0.5	0.6	0.5	0.1	0.4	0.3	0.2	0.4	0.5	0.4	0.4	0.1	0.2	0.9	0.4	0.3	0.2	0.4	0.2	0.2	0.2
21	9892191	9914930	+	KCONS_00040735	4801	intergenic	0.6	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.6	0.0	0.0	0.2	0.0	0.0	0.0	0.6	0.4	0.1	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.3	0.2	0.5	0.1	0.1	0.6	0.0	0.1	0.0	0.0	0.0
3	1.7E+07	1.7E+07	+	KCONS_00043294	386	genic	0.2	0.0	0.0	0.0	0.1	0.2	0.6	0.2	0.8	0.1	0.3	0.0	0.0	0.0	0.1	0.1	0.5	0.0	0.0	0.0	0.2	0.3	0.1	0.1	0.0	0.4	0.1	0.1	0.3	0.0	0.2	0.0	0.2	0.1	0.6	0.1	0.5	0.1	0.2	0.3
3	1.4E+08	1.4E+08	-	KCONS_00046292	1185	intergenic	0.7	0.5	0.6	0.4	0.6	0.8	0.5	0.4	0.8	0.5	0.6	0.5	0.3	0.7	0.5	0.5	0.6	0.4	0.5	0.8	0.5	0.7	0.5	0.6	0.6	0.6	0.5	0.8	0.2	0.2	0.6	0.7	0.7	0.7	0.4	0.8	0.8	0.4	0.7	0.9

Table S4. Normalized read counts (PMMR) of known miRNAs in individual human LV samples

PMMR	NF1	NF2	NF3	NF4	NF5	NF6	NF7	NF8	ICM pre-LVAD1	ICM pre-LVAD2	ICM pre-LVAD3	ICM pre-LVAD4	ICM pre-LVAD5	ICM pre-LVAD6	ICM pre-LVAD7	ICM pre-LVAD8	NICM pre-LVAD1	NICM pre-LVAD2	NICM pre-LVAD3	NICM pre-LVAD4
hsa-miR-143-3p	152461.2	130927.8	149146.3	174798.7	185400.8	172193.2	182077.8	166529.2	228656.1	177050.9	195430.5	184829.8	168529.5	189823.2	373040.6	195856.4	210851.5	185458.7	178856.8	247435.4
hsa-miR-22-3p	124393.3	112649.2	122239.6	126430.2	113051.1	124109.1	120317.0	138953.6	119546.1	157325.5	117174.7	145136.8	140036.2	118563.4	63206.4	129837.5	143741.4	146579.8	110788.9	88765.7
hsa-miR-27b-3p	82448.2	68021.8	78816.5	79456.5	86519.5	83023.3	69952.8	97355.6	98307.9	111698.5	100731.5	87921.7	92602.8	101004.7	74891.7	94315.2	117644.9	108905.8	92645.2	79117.7
hsa-miR-133a	67267.2	60809.5	60225.6	61249.1	48907.1	56659.3	62279.0	57087.4	43338.1	47392.2	39974.9	60311.9	57498.1	41692.8	13716.9	57889.5	32119.7	56881.4	45791.8	28813.9
hsa-miR-486-5p	58016.9	60359.9	56725.2	36233.1	17102.8	41174.6	82741.1	46929.7	29579.7	23170.1	25701.7	38521.6	20086.3	32541.7	18501.5	35238.9	20935.4	29883.5	27957.1	28120.2
hsa-miR-26a-5p	50221.5	44144.2	34627.8	37710.9	57349.0	40173.5	37514.5	41923.8	59708.4	46194.6	63730.9	43023.1	46671.3	39378.4	72127.6	41665.2	43829.7	45965.0	44575.4	68377.2
hsa-let-7a-5p	48877.7	50956.8	31067.0	29511.4	28148.3	27499.6	38723.4	31908.3	35968.7	30925.3	31982.5	28677.6	27134.0	31692.4	35291.1	40510.2	28403.7	39176.6	24561.6	36351.6
hsa-miR-99b-5p	40737.5	28593.5	29555.0	26696.9	28033.5	26397.7	4885.7	4392.6	13286.8	2464.6	18295.6	7613.9	7633.2	26207.4	10540.8	6331.9	14138.1	6925.7	20046.9	23368.8
hsa-miR-125a-5p	29997.5	19350.9	25509.1	22431.1	24510.3	22721.7	7847.8	6423.7	10214.1	3949.5	10098.2	9014.5	8969.3	21550.1	11380.1	6251.9	10896.9	7242.8	15475.5	17030.7
hsa-miR-378a-3p	29335.7	35520.5	30854.8	27253.6	24221.2	27183.1	28807.0	29316.9	20143.8	26849.0	19883.3	24177.4	22034.8	18463.7	10588.2	15659.9	22454.3	30558.5	20360.5	18288.7
hsa-let-7f-5p	24584.4	22803.9	21442.1	22699.5	18667.5	20197.8	24368.2	23689.6	20568.7	20353.9	16856.3	22213.1	21294.1	25574.7	14774.9	30777.9	18053.6	27880.9	18164.5	18480.4
hsa-miR-30a-5p	24182.9	22416.6	35529.5	35063.4	32365.9	33906.6	38543.5	41431.6	31305.4	32027.7	30447.0	35595.8	36124.4	29241.2	22061.7	39778.4	31640.7	32878.3	34860.1	29234.2
hsa-miR-30d-5p	20892.0	27205.2	25691.4	29115.7	26885.9	27107.9	24005.5	31834.8	18742.1	27306.4	21120.5	32014.6	36135.1	27261.2	13132.2	32250.0	22612.2	22116.0	27683.4	20651.5
hsa-miR-181a-5p	13258.7	15729.3	14228.7	13336.0	17300.8	20675.9	19120.3	20908.3	20475.5	21306.5	15560.6	16366.5	21938.2	20703.7	20987.8	24993.3	16685.9	22392.9	17482.2	22737.7
hsa-miR-191-5p	11706.6	10271.3	8046.9	7929.8	9744.3	8170.4	7090.8	7978.2	8741.6	7255.1	9811.0	7040.4	7962.9	7387.0	8012.1	7721.6	9492.3	8598.7	8496.6	10461.1
hsa-miR-125b-5p	11552.4	9355.8	11747.7	11865.5	13860.9	11662.3	4102.2	5046.9	8152.6	3664.4	9131.9	7213.8	7243.9	13734.7	10006.7	4784.5	7837.4	7619.4	9388.8	13451.4
hsa-miR-10b-5p	11452.7	50169.2	15248.2	2746.0	5004.1	11485.9	5924.2	13920.7	19677.6	13416.5	18715.8	3548.5	14493.6	17169.7	16630.8	2602.9	20240.4	3846.0	38737.1	8223.5
hsa-miR-208b	11256.9	13190.7	16320.0	22124.9	21001.6	22945.0	20908.6	21151.2	19889.0	27501.9	23655.4	22353.9	24156.7	22799.5	7084.2	23478.2	24966.7	23096.3	26083.1	12269.5
hsa-miR-30b-5p	10458.3	13617.4	11129.2	11720.7	8382.7	10901.6	9750.8	14890.5	8934.8	12293.1	7740.2	10617.3	13680.1	4769.3	2213.2	8735.2	7341.9	9817.7	12671.9	5432.0
hsa-miR-100-5p	9472.3	5450.4	7498.0	5880.6	20134.8	8269.9	1436.8	1289.1	7508.7	1445.6	10669.6	3460.9	4176.3	12508.8	13136.5	1961.8	6334.6	2476.5	6766.9	24698.3
hsa-miR-92a-3p	9099.9	8917.7	10177.2	9896.9	10338.2	9783.6	8636.9	9765.2	6915.6	7104.5	6453.0	8804.5	9037.3	7621.9	7608.8	7364.0	6899.5	7701.6	7860.9	9248.6
hsa-miR-30c-5p	7566.8	7893.0	6634.4	6537.5	5248.4	6077.1	7027.3	7411.8	4893.6	6557.5	4317.7	7949.1	7180.1	5094.9	1799.3	5249.7	5100.8	6934.5	6143.1	4483.4
hsa-miR-26b-5p	7544.7	7746.8	7521.2	7023.8	6414.2	6629.4	6989.7	6305.1	4802.5	7421.8	5159.5	7731.4	7310.0	6928.8	5102.7	7007.5	6530.3	5799.4	6553.2	7042.2
hsa-let-7c	7050.8	7446.8	4489.7	3845.0	3941.3	3753.7	5260.8	5165.8	5612.0	4711.8	5216.2	4659.3	3927.2	4800.2	5714.0	5857.8	4257.7	5913.4	3676.4	4995.5
hsa-let-7g-5p	7039.5	6592.6	6143.8	6758.9	5613.2	6088.7	7502.5	6614.3	5768.6	5968.1	4765.5	7073.5	6496.3	7703.5	4417.5	8118.1	5185.4	8355.4	5130.3	5764.3
hsa-miR-126-5p	7013.9	9344.6	32305.2	30556.5	30176.4	30269.8	30388.1	25286.6	19123.3	29799.0	23139.9	24032.1	26160.4	14919.2	17885.4	23673.5	23866.5	16502.7	28726.9	23608.8
hsa-miR-148a-3p	6326.2	3487.8	8153.8	5068.3	7454.3	7164.0	8431.0	5847.7	5017.4	4077.1	6663.2	5965.2	7672.1	2709.6	5745.9	5300.9	5045.5	5499.4	7248.4	6954.5
hsa-let-7b-5p	5620.3	6510.9	4198.2	3928.4	3193.5	3274.8	5829.3	4424.4	4621.2	4237.8	4712.3	4507.0	4055.9	5270.5	5459.4	5343.9	3218.1	4936.9	3229.7	4859.2
hsa-miR-99a-5p	5280.8	3713.5	4477.4	4272.3	3995.8	3457.9	1308.1	1534.5	1939.3	668.7	2360.4	2006.3	1947.8	3121.1	2348.2	1107.6	1649.6	994.9	2403.3	2778.1
hsa-miR-30e-5p	4799.5	4318.9	14551.9	15468.0	12631.1	14590.4	16736.8	17522.2	10698.0	14484.2	11987.8	17050.0	15702.9	13105.6	6541.0	14603.4	12425.5	12588.7	13871.7	10067.4
hsa-miR-151a-5p	4658.6	5302.8	3889.5	3505.5	4042.5	3760.1	3557.7	3073.5	3117.6	1941.3	2935.6	3364.2	3054.3	3849.7	2939.8	3185.7	2356.0	3555.9	3298.7	4005.1
hsa-miR-1	4384.5	8374.1	12893.9	15210.5	7974.7	9817.0	10099.2	5494.8	1973.5	8702.9	5225.6	7808.6	6003.3	13363.0	1568.1	13340.5	4214.1	3581.1	5871.9	4355.4
hsa-let-7e-5p	4299.8	4156.5	2650.4	2298.6	2307.1	2397.8	2995.7	2691.4	2599.6	2154.7	2063.9	2250.9	1966.4	2785.5	1435.4	2971.1	2631.8	3217.0	2000.0	2550.5
hsa-miR-186-5p	4257.1	4123.6	3725.6	4383.1	4786.8	4351.6	4096.0	4035.4	4229.6	4401.3	4248.3	4291.2	4714.1	3943.0	3951.2	3874.3	4694.5	4225.7	4485.7	4755.1
hsa-miR-23b-3p	4232.5	3813.0	2981.9	3452.6	5643.7	3677.3	3097.2	3544.2	5616.3	7538.6	13200.8	4059.8	4875.9	3644.6	5350.0	5231.3	4759.4	5027.4	6151.4	4389.7
hsa-miR-10a-5p	4125.0	31763.6	10699.5	2455.1	3188.7	6274.7	7727.7	10803.4	5363.4	4791.9	10312.9	4561.1	10288.6	11984.8	5711.4	2636.0	5816.9	1575.6	20492.9	3628.4
hsa-miR-151a-3p	3404.4	3201.9	2651.7	2517.1	2978.4	3070.3	2240.3	2604.2	2788.5	2327.7	3075.3	2653.5	3054.0	2487.8	3146.3	2388.7	2470.4	2970.0	2853.5	3312.1
hsa-miR-127-3p	3192.2	3653.1	2752.8	3220.0	2926.0	2694.8	1582.0	2155.0	2887.0	2689.1	4792.6	3643.2	2317.8	1969.0	2660.3	1833.2	2399.6	2675.1	2093.5	3343.1
hsa-miR-16-5p	2911.4	3953.5	2892.0	3147.2	3154.0	3661.8	3392.5	3286.5	3506.9	5292.2	4574.8	4992.2	4557.5	3121.9	4845.8	3547.6	4669.7	3194.6	4470.0	3944.3
hsa-miR-21-5p	2783.8	2211.6	2725.6	5797.7	8918.8	3311.3	3694.9	5121.5	8043.4	10197.1	9116.4	5184.7	6876.6	7326.1	10896.1	6913.9	13001.5	6218.8	5621.3	6587.3
hsa-miR-499a-5p	2773.6	2869.0	3220.5	3676.8	2564.3	3047.0	4693.0	2317.5	1618.0	3060.6	1658.8	2983.5	2910.6	2681.5	677.9	2348.9	2382.4	2517.9	2628.3	1669.2
hsa-miR-27a-3p	2660.3	2552.8	2491.2	2346.8	3160.1	2979.5	2564.1	2519.8	3812.5	3829.1	3405.2	3257.4	4031.5	3418.4	3979.5	3429.9	3684.0	3458.7	3049.0	4235.4
hsa-miR-101-3p	2608.9	2206.1	3475.6	3116.2	4092.3	3901.6	4169.0	4098.9	4944.7	5217.7	3925.2	4110.3	4510.8	3777.0	8015.9	4009.6	4060.7	4016.2	3653.2	5118.5
hsa-miR-28-3p	2606.8	2472.8	3260.5	2990.6	3907.1	3259.2	2150.3	3189.8	3022.0	3352.5	3389.3	3236.0	3395.7	3532.2	2976.9	2469.8	3940.1	3630.4	3356.1	3131.0
hsa-miR-2392	2332.2	2551.3	4499.5	6347.9	1507.2	1074.9	1.9	1181.0	1899.3	999.1	1715.5	702.1	1742.9	1334.8	2372.3	2560.7	1030.6	1108.5	2658.6	589.6
hsa-miR-98	2290.7	2271.2	1589.6	1606.3	1571.4	1460.2	1880.5	1766.7	2238.3	1571.3	1753.5	1613.9	1682.0	1989.3	1464.9	2337.9	2019.5	2505.6	1459.5	1587.6
hsa-miR-221-3p	2025.8	2913.0	1898.5	2291.7	1519.7	1541.0	2663.3	2337.5	530.1	1092.3	395.9	1412.0	1202.1	1080.6	442.0	568.6	990.3	679.8	1141.2	535.0
hsa-let-7i-5p	1966.0	1861.8	2099.5	2283.1	2493.2	2198.0	2312.9	2514.3	2535.7	2256.4	2859.7	2708.0	3075.3	2720.9	3495.6	2697.7	2055.1	2878.7	2101.2	2574.4
hsa-miR-199a-3p#hsa-	1827.1	1879.7	2260.3	2735.9	3283.6	2738.0	2765.6	2415.8	3603.2	3068.0	5035.2	4541.9	4638.8	3868.3	6977.2	3137.8	3044.2	3718.9	2882.3	4978.8
hsa-let-7d-5p	1804.3	1930.9	1424.2	1397.7	1183.2	1158.4	1894.1	1557.6	1113.6	1232.2	940.5	1290.7	1321.6	1530.1	811.3	1947.3	1016.3	1561.5	966.5	1204.1
hsa-miR-24-3p	1633.3	2370.0	2320.6	2835.6	3259.4	2800.4	2270.1	2299.1	1776.3	2551.4	3287.9	2295.6	2982.6	3380.0	2840.9	3056.0	2626.3	1679.4	3192.9	3199.7
hsa-miR-29a-3p	1549.5	1103.8	1061.7	1057.3	1586.4	1408.6	1228.6	1294.0	1743.7	1312.9	1204.1	1630.2	2001.1	1347.9	1496.1	1452.1	1221.5	1358.3	1212.8	1505.3
hsa-miR-126-3p	1490.8	1729.0	2696.6	2965.0	3011.7	3093.4	3165.7	3034.9	2091.0	2847.4	3665.0	3789.5	4834.3	2843.4	3499.6	3449.7	2232.4	2639.7	3392.4	2420.2
hsa-miR-23a-3p	1403.8	1258.7	933.6	966.6	1474.7	1235.1	1088.4	1066.4	1715.7	1385.4	1736.9	1156.3	1631.3	1447.2	1684.7	1389.0	1555.2	1571.1	1232.9	1798.7
hsa-miR-30e-3p	1313.2	1155.8	2223.4	1923.7	1653.6	1827.8	1877.5	1671.4	1283.2	1608.3	1831.2	1478.6	1276.2	1284.9	867.4	1467.5	1318.3	1762.9	1449.3	1313.0
hsa-miR-103a-3p	1286.8	1308.5	1217.7	1374.9	1469.0	1377.2	1555.4	1389.3	1588.4	1955.0	1546.9	1729.2	1942.5	1506.0	1457.4	1559.6	1967.5	1843.3	1626.5	1608.3
hsa-miR-145-3p	1125.3	765.9	1325.7	1312.8	1404.7	1240.7	537.2	466.2	730.5	262.3	651.2	570.7	542.4	979.5	1292.5	409.7	670.8	446.6	865.8	1318.5
hsa-miR-30a-3p	985.8	765.8	1360.6	1246.4	1165.0	1207.4	1274.4	1010.2	904.5	1007.7	1311.8	931.8	992.4	938.4	818.2	1159.2	885.9	1143.8	975.9	1012.2
hsa-miR-222-3p	981.4	1427.9	1234.9	1150.2	565.1	662.9	1470.1	1099.5	309.0	602.6	156.6	615.6	659.0	488.3	199.6	246.6	641.0	424.9	460.9	273.2
hsa-miR-29c-3p	944.8	1027.5	1186.0	1233.5	1211.7	1279.7	1248.9	1257.0	993.6	1475.8	977.7	1523.2	1525.8	897.4	798.3	1148.9	1208.2	989.6	1176.8	1121.5
hsa-miR-146b-5p	896.1	291.3	523.2	2087.0	4170.2	522.8	714.3	903.2	709.9	621.1	2968.7	709.5	1116.6	1325.4	1386.5	781.7	1759.0	756.5	827.8	738.1
hsa-miR-92b-3p	881.9	545.6	750.8	932.9	1096.1	934.2	618.4	967.5	1183.0	972.7	802.0	962.4	1525.2	1384.3	1144.3	985.2	1213.6	1111.8	977.5	1737.5
hsa-miR-140-3p	864.8	1048.6	869.0	941.6	1093.1	905.9	827.9	726.2	1077.6	1381.4	1134.8	1201.9	1261.1	1057.1	1816.0	970.7	900.2	1002.4	1053.1	1690.4
hsa-miR-181c-5p	854.0	853.9	652.9	706.8	921.2	820.4	822.7	823.0	1133.1	958.4	1089.0	1037.2	1219.4	1197.2	1134.7	1125.7	853.1	1264.0	856.1	1394.4
hsa-miR-148b-3p	819.7	747.1	669.4	695.6	748.9	710.2	522.1	703.7	670.4	570.6	864.0	600.7	665.6	413.9	509.2	551.2	640.2	675.6	869.8	750.2
hsa-miR-192-5p	772.2	823.7	679.9	633.9	839.4	978.8	659.9	574.2	877.8	722.4	758.4	866.1	803.2	708.9	770.5	1022.7	703.9	800.6	649.8	923.4
hsa-miR-25-3p	690.9	645.0	639.6	656.4	772.6	822.6	668.1	617.6	748.0	742.9	786.5	825.0	777.1	627.5	1044.0	707.0	671.9	843.1	675.8	933.1
hsa-miR-125b-2-3p	637.1	565.8	557.6	509.8	576.5	542.8	481.5	648.3	718.3	677.7	824.2	564.0	498.1	462.2	737.5	488.7	662.1	767.8	566.5	629.5
hsa-miR-423-3p	575.5	607.0	577.2	677.3	623.4	586.7	530.7	640.7	540.8	788.4	498.5	911.0	958.0	1245.6	678.6	801.8	699.4	872.3	536.7	565.5
hsa-miR-145-5p	512.0	727.8	504.1	515.4	663.7	571.8	942.0	581.2	466.1	555.3	637.6	788.3	783.8	463.0	1349.6	504.2	407.0	321.8	560.4	763.8
hsa-miR-1271-5p	499.1	430.8	512.4	525.8	520.9	363.4	28.9	18.7	171.4	19.3	188.3	84.0	83.1	365.9	78.7	23.5	184.9	42.4	315.4	259.1
hsa-miR-195-5p	494.8	609.1	333.8	442.0	571.0	518.0	459.2	412.8	790.8	834.2	1271.0	529.0	787.1	553.8	1083.6	538.3	735.5	683.0	756.4	1132.6
hsa-miR-150-5p	487.7	392.5	255.3	155.3	155.9	248.2	304.3	214.1	128.4	153.4	124.4	263.0	205.3	96.3	68.7	139.8	104.7	123.9	138.0	153.0
hsa-miR-199b-5p	485.2	363.5	615.1	817.7	726.0	704.6	437.6	419.8	837.1	481.0	1395.3	1155.7	996.1	1181.9	1216.6	547.0	661.8	635.5	824.2	1192.6
hsa-miR-199a-5p	438.3	426.4	565.8	644.2	806.2	632.1	357.3	375.3	534.3	383.6	1224.5	590.6	667.8	781.2	1468.8	417.1	496.2	524.7	514.3	1312.9
hsa-miR-130a-3p	432.2	458.4	357.8	409.0	578.8	462.8	424.4	472.1	558.7	465.5	571.1	585.7	709.9	475.3	687.5	378.5	515.6	540.1	446.3	641.2
hsa-miR-490-3p	411.5	296.8	390.6	428.6	736.4	509.0	496.8	428.9	508.5	448.6	328.6	489.5	272.8	222.6	182.8	323.0	316.5	469.6	426.5	392.2
hsa-miR-28-5p	409.5	443.7	433.0	464.6	480.2	459.3	461.6	527.1	435.1	609.7	499.2	561.2	550.3	657.2	502.9	561.8	636.9	503.7	508.8	404.3
hsa-miR-340-5p	378.9	303.6	478.3	503.1	567.0	462.2	514.7	428.6	453.1	507.4	395.5	432.9	449.4	400.1	337.1	486.6	473.1	480.5	496.4	378.1
hsa-miR-320a	373.8	366.8	368.8	396.0	355.5	316.4	458.6	445.0	402.9	477.6	474.8	533.4	538.2	687.9	723.0	550.6	444.4	538.9	380.2	506.1
hsa-miR-181b-5p	371.8	427.2	409.3	461.3	557.8	633.0	548.9	663.5	720.3	699.1	596.7	589.7	920.7	811.2	836.4	798.4	628.9	815.5	524.4	738.4
hsa-miR-20a-5p	366.7	335.8	301.3	307.9	258.9	267.3	478.0	189.3	149.3	197.5	111.9	224.4	218.4	104.5	87.5	222.6	165.3	166.7	183.9	221.6
hsa-miR-361-5p	365.6	342.9	272.6	267.0	268.7	281.5	281.9	196.6	224.0	187.4	240.9	208.7	244.8	210.8	209.6	186.6	261.3	222.8	262.3	262.7
hsa-miR-152	356.7	359.1	376.5	439.4	450.5	389.4	291.4	255.5	344.4	439.7	574.7	379.8	493.3	398.8	553.5	332.3	475.0	310.3	380.1	481.5
hsa-miR-501-3p	337.2	211.2	354.3	354.6	370.1	300.9	45.6	32.6	93.7	12.1	213.7	61.5	67.8	189.3	109.3	64.9	97.4	35.6	252.2	249.2
hsa-miR-93-5p	320.7	339.0	281.9	270.4	273.3	326.9	399.8	263.6	288.1	320.3	264.2	341.1	365.2	286.9	315.5	347.0	297.7	328.3	261.3	329.9
hsa-miR-941	291.9	265.4	273.4	221.8	269.0	287.8	219.0	300.0	174.4	132.1	316.3	260.0	243.0	321.4	145.9	171.9	208.3	260.0	412.1	218.4
hsa-miR-197-3p	286.2	246.1	180.1	187.0	180.6	205.8	176.3	148.3	202.1	260.7	354.6	222.9	231.6	206.7	262.9	176.1	267.8	292.8	194.0	184.8
hsa-miR-500a-3p	282.0	163.6	227.7	254.6	284.9	248.0	114.0	145.5	160.0	76.1	190.8	122.9	135.5	158.6	145.2	115.4	126.0	127.7	189.0	234.8
hsa-miR-193a-5p	281.4	352.9	229.9	206.7	175.1	181.5	288.4	158.4	76.4	104.7	141.8	172.6	135.6	146.8	137.6	190.0	121.2	133.6	100.6	157.9
hsa-miR-193b-3p	268.6	182.6	158.8	140.2	207.1	162.9	159.0	202.1	226.1	161.3	214.3	239.7	185.8	135.6	223.6	163.0	154.2	252.8	197.8	184.5
hsa-miR-484	238.9	199.0	247.6	266.1	264.7	234.2	211.2	246.4	188.1	176.2	182.3	304.3	279.6	243.4	172.5	190.9	210.8	205.9	213.8	236.2
hsa-miR-381	231.3	259.6	177.5	248.4	207.3	173.3	162.2	157.0	315.3	340.9	380.6	297.2	178.3	210.4	253.7	236.2	253.0	257.6	173.0	202.7
hsa-miR-342-3p	222.4	236.1	156.9	157.6	132.5	125.0	124.8	80.7	184.3	125.8	208.9	138.8	145.8	150.2	179.5	140.8	163.9	143.0	164.7	221.9
hsa-miR-874	219.4	199.4	126.4	110.3	247.0	194.2	112.8	193.2	170.0	95.4	128.4	126.5	228.3	129.9	151.0	158.4	149.5	173.0	175.0	296.2
hsa-miR-423-5p	218.2	216.0	190.7	195.5	172.4	194.4	203.5	214.1	197.4	205.6	161.5	323.0	213.6	314.2	134.8	206.6	272.2	310.6	170.7	196.9
hsa-miR-190a	208.9	194.4	401.1	432.1	344.3	379.9	563.3	325.9	301.3	272.0	222.9	347.6	269.3	204.0	108.0	364.6	230.3	257.1	349.7	293.5
hsa-miR-15a-5p	206.8	242.3	210.4	385.1	223.2	414.5	441.1	252.5	285.6	317.9	272.1	464.0	355.7	281.5	336.5	299.5	283.5	280.3	279.2	280.5
hsa-miR-365a-3p#hsa-	194.7	154.7	144.6	119.6	150.8	135.6	94.8	98.3	107.9	105.9	109.4	108.6	86.8	85.0	69.2	87.6	102.1	115.3	111.3	82.2
hsa-miR-146a-5p	187.9	395.9	226.8	297.6	362.4	322.0	262.4	204.3	274.4	152.6	381.5	155.5	218.2	245.6	575.9	212.1	205.0	176.3	335.6	381.1
hsa-miR-181a-2-3p	184.8	260.7	177.2	195.0	294.5	281.7	190.3	315.0	216.5	382.5	324.5	367.0	384.0	365.1	242.1	308.3	374.0	454.4	271.0	280.8
hsa-miR-3182	181.1	69.6	243.3	1469.0	1298.7	33.5	44.3	101.0	341.7	474.2	1870.0	301.9	1196.0	273.0	1295.1	257.3	125.2	234.4	8134.8	928.0
hsa-miR-497-5p	174.6	231.9	133.7	150.7	190.6	191.7	241.9	220.2	257.5	359.6	329.8	319.8	399.4	213.9	286.3	188.2	256.9	258.5	246.1	392.0
hsa-miR-652-3p	172.3	217.0	138.0	171.8	143.4	140.6	190.5	162.5	104.8	153.0	124.5	202.1	205.3	191.1	80.8	147.3	211.5	139.3	139.5	109.8
hsa-miR-107	168.9	144.7	144.2	187.2	209.6	164.8	185.5	198.8	221.6	222.3	168.7	208.3	287.1	201.3	112.2	202.7	211.1	271.6	266.3	191.8
hsa-miR-221-5p	168.1	166.0	276.4	253.5	124.5	127.1	59.0	53.2	21.6	16.7	17.7	43.2	33.5	54.7	13.6	10.6	38.0	15.1	67.2	31.3
hsa-miR-654-3p	158.4	171.5	105.1	154.2	112.8	109.9	90.3	94.6	122.8	137.7	219.0	191.2	89.9	122.2	130.3	108.7	113.2	152.7	84.8	135.9
hsa-let-7d-3p	157.0	170.4	152.1	169.2	175.0	138.7	121.8	128.0	156.5	207.2	164.8	128.4	189.9	134.1	120.6	143.1	172.9	187.7	159.6	143.9
hsa-miR-21-3p	153.5	100.8	116.7	339.2	537.1	112.5	168.9	235.8	267.5	327.4	310.8	129.0	187.7	243.9	411.3	227.1	427.4	186.0	177.9	241.5
hsa-miR-574-3p	153.1	160.0	91.4	87.2	120.8	95.7	111.0	117.8	159.5	173.2	161.5	196.1	147.8	108.0	161.5	79.7	147.2	164.7	120.9	194.5
hsa-miR-378b	145.6	118.5	215.4	210.2	184.7	198.0	9.5	9.5	86.3	111.1	121.1	7.4	4.0	8.5	5.0	6.1	108.3	144.0	165.5	140.0
hsa-miR-29b-3p	132.6	65.2	209.9	213.9	188.9	240.7	365.7	176.0	143.3	245.4	138.9	167.0	343.5	204.0	186.6	279.5	277.1	130.9	176.9	181.5
hsa-miR-17-5p	132.4	130.8	110.0	117.8	115.9	99.3	168.3	96.0	68.9	76.9	53.6	96.5	105.9	49.7	44.8	83.2	69.8	81.6	74.7	87.7
hsa-miR-214-3p	129.7	121.9	92.3	95.7	111.4	90.4	105.4	67.9	79.5	94.4	129.3	106.0	109.2	120.6	125.4	78.1	79.3	97.6	72.7	180.5
hsa-miR-34a-5p	117.1	178.4	174.5	217.5	189.3	191.5	341.3	134.1	127.0	124.6	223.0	280.2	161.9	138.4	279.4	141.0	183.2	141.6	120.0	320.4
hsa-miR-378a-5p	115.9	170.4	128.1	109.2	150.6	111.8	186.6	131.3	107.8	131.1	195.6	124.5	111.6	48.6	63.7	82.1	90.2	118.9	105.0	84.8
hsa-miR-30d-3p	110.2	100.6	171.3	167.5	190.2	186.1	159.8	215.8	174.5	214.4	123.9	201.4	246.1	175.6	104.5	216.8	173.2	221.6	180.8	157.0
hsa-miR-374a-5p	109.7	100.4	132.4	161.7	193.3	183.7	128.5	99.7	142.7	99.7	162.2	130.4	156.8	89.4	142.0	100.8	154.4	122.1	178.2	183.4
hsa-miR-421	107.6	87.0	80.0	85.0	156.2	125.3	91.8	134.2	134.9	145.6	123.6	132.2	207.7	160.2	124.3	101.8	184.3	213.2	129.4	162.7
hsa-miR-532-5p	106.9	87.8	108.3	130.5	144.3	137.8	153.8	140.8	150.6	136.5	141.8	148.8	166.0	104.0	197.3	121.0	122.9	143.9	114.6	162.4
hsa-miR-136-3p	104.5	118.4	118.0	180.2	128.2	122.3	119.9	126.6	136.4	163.9	210.2	231.9	132.2	130.2	170.8	137.0	109.5	139.8	95.0	142.4
hsa-miR-454-3p	104.3	110.0	125.0	161.4	133.4	130.3	181.9	105.2	90.2	119.6	97.8	151.0	148.9	133.7	70.0	145.4	123.1	109.8	108.7	111.8
hsa-miR-374b-5p	104.2	104.3	116.3	149.5	121.0	131.6	131.3	104.9	116.4	119.8	129.3	119.2	164.1	92.2	184.5	83.2	135.8	114.2	118.8	111.3
hsa-miR-411-5p	103.4	59.5	100.7	162.7	152.3	117.6	116.2	95.5	121.6	155.8	200.9	187.3	97.8	120.4	143.1	133.1	133.7	101.0	90.8	145.0
hsa-miR-4301	98.9	133.5	93.9	105.1	104.2	79.4	61.8	121.6	155.5	93.2	142.9	154.6	157.3	169.8	145.4	103.5	105.1	83.1	136.1	111.1
hsa-miR-502-3p	95.8	53.1	84.8	95.3	94.3	80.4	22.7	18.7	31.4	15.1	49.7	38.7	36.8	53.9	41.2	18.5	32.6	19.4	57.3	66.6
hsa-miR-148a-5p	95.2	54.1	78.4	45.1	68.6	66.8	90.9	68.4	55.6	38.9	57.7	57.6	60.8	34.8	73.0	65.1	51.6	67.8	63.5	68.1
hsa-miR-19b-3p	94.9	113.5	115.8	135.0	177.0	137.6	168.3	146.1	132.3	146.8	129.7	174.1	200.9	105.6	212.7	134.0	134.3	112.4	137.7	147.3
hsa-miR-338-3p	92.4	131.6	186.5	147.1	89.9	69.9	158.3	80.5	49.3	64.8	66.8	142.7	107.9	90.3	64.0	104.3	78.2	54.2	140.9	65.4
hsa-miR-29c-5p	92.1	102.9	119.1	83.8	65.0	95.6	170.0	92.5	64.3	58.6	55.6	87.9	93.7	44.8	39.8	74.1	62.8	61.4	64.5	51.1
hsa-miR-22-5p	89.8	77.3	114.9	130.1	95.8	109.4	166.1	114.2	88.9	111.1	85.5	117.8	108.1	80.1	44.0	117.1	89.5	88.3	75.9	74.4
hsa-miR-128	89.0	97.2	81.4	101.8	98.2	105.2	77.3	74.8	88.6	125.2	72.2	119.3	132.2	111.9	79.7	82.4	123.7	98.5	78.7	83.8
hsa-miR-345-5p	88.5	126.1	121.1	125.0	176.3	140.4	130.0	136.2	87.6	101.5	93.1	145.0	152.2	137.9	124.4	181.4	136.7	115.8	108.3	107.2
hsa-let-7b-3p	86.1	70.8	78.3	73.1	70.9	75.3	82.1	60.1	74.1	70.5	126.3	80.0	63.0	68.4	104.8	70.8	64.0	79.8	74.7	113.9
hsa-miR-208a	85.0	33.3	122.7	131.8	129.9	75.8	91.6	56.0	66.5	91.8	106.7	89.3	120.0	112.7	38.7	204.4	119.3	74.9	83.2	55.3
hsa-miR-331-3p	84.4	100.1	61.9	48.6	69.2	64.1	99.6	103.8	52.5	83.2	93.6	145.9	145.6	51.5	60.0	45.9	54.4	59.2	69.5	69.0
hsa-miR-1307-5p	82.5	104.0	314.9	410.4	512.9	311.7	628.1	533.3	226.4	307.2	171.1	519.4	449.0	465.3	287.9	598.9	309.1	258.2	329.0	460.1
hsa-miR-769-5p	81.7	134.1	91.1	96.3	179.6	139.2	143.2	170.3	203.3	208.6	190.4	221.9	239.9	198.6	226.3	231.9	187.8	204.2	154.1	185.8
hsa-miR-181d	80.2	64.8	76.5	81.3	83.1	93.1	77.8	82.1	105.7	80.9	130.4	103.2	123.3	104.2	104.1	95.3	81.0	110.7	86.7	153.4
hsa-miR-139-5p	80.0	65.3	69.8	52.4	66.3	77.0	86.8	54.8	60.1	62.8	60.2	64.0	50.2	47.3	60.1	74.0	40.9	35.1	49.3	38.4
hsa-miR-660-5p	79.4	62.2	77.4	87.2	101.4	99.6	109.3	116.0	88.3	82.3	107.2	116.8	131.8	80.1	137.6	89.1	82.4	98.9	81.8	111.9
hsa-miR-584-5p	77.0	60.8	97.2	174.0	118.5	100.1	106.5	35.9	40.0	74.1	51.9	61.3	52.6	52.2	38.2	50.9	78.8	48.0	48.3	47.0
hsa-miR-378g	74.5	41.8	31.2	32.9	31.5	28.0	30.7	24.2	52.3	63.4	15.5	19.6	21.0	11.0	7.3	9.9	53.8	71.1	15.1	17.8
hsa-miR-15b-5p	73.9	69.6	63.8	75.7	69.6	72.4	63.3	52.1	74.1	63.4	81.1	81.9	85.8	59.3	89.0	71.1	73.6	66.3	79.8	80.4
hsa-miR-378c	73.6	83.6	81.2	87.0	75.3	67.5	90.3	94.4	61.8	104.1	83.6	96.6	81.4	58.3	26.6	62.6	81.8	92.6	73.5	46.2
hsa-miR-181c-3p	72.0	78.1	76.1	62.0	69.5	68.3	75.2	86.2	62.8	79.7	91.3	89.4	105.7	86.1	81.0	90.5	55.2	80.4	66.2	89.6
hsa-miR-362-5p	66.8	51.5	47.8	47.0	37.8	50.8	71.9	44.6	41.0	23.4	27.1	29.2	38.2	23.5	15.1	29.4	40.0	28.1	32.3	38.0
hsa-miR-301a-3p	63.7	65.8	253.1	281.6	295.8	276.9	344.9	287.2	324.6	331.2	340.7	353.8	506.4	406.5	244.6	348.3	458.1	374.0	326.3	286.2
hsa-miR-374a-3p	61.8	46.2	157.2	163.1	241.8	189.5	140.4	156.7	174.1	211.6	192.0	177.3	193.7	166.6	177.3	159.8	209.5	186.9	177.8	193.5
hsa-miR-452-5p	60.4	67.4	29.7	103.2	164.6	101.5	60.7	123.0	47.7	75.3	87.0	75.9	94.8	101.2	83.8	95.0	120.1	88.2	115.3	160.1
hsa-miR-378d	59.0	54.7	63.4	62.3	63.3	53.9	66.3	63.7	47.2	75.1	53.8	61.2	54.4	44.3	23.4	41.4	52.6	63.5	52.8	34.8
hsa-miR-410	58.4	70.6	43.1	62.1	67.3	50.0	39.3	37.6	60.1	57.6	71.1	84.7	50.2	36.4	51.3	48.9	53.9	55.9	36.9	48.9
hsa-miR-181a-3p	58.0	81.6	69.1	46.1	99.5	113.7	112.8	125.9	89.8	91.4	44.1	64.9	118.4	55.6	74.3	102.2	59.8	109.2	76.4	100.0
hsa-miR-27b-5p	57.8	58.0	78.2	87.4	122.6	106.0	83.4	137.2	96.1	140.7	143.9	115.7	138.0	199.6	111.3	139.2	126.2	147.8	120.4	76.9
hsa-miR-664-3p	57.8	37.4	13.9	18.5	28.6	21.0	26.6	27.6	26.8	22.1	34.6	19.9	27.8	18.8	23.6	24.3	26.5	28.8	22.4	27.0
hsa-miR-210	56.1	54.8	62.7	60.5	69.7	73.3	75.8	73.5	104.2	109.3	66.5	110.7	147.8	113.7	54.6	117.5	78.4	95.9	96.8	77.8
hsa-miR-328	53.6	56.8	60.3	64.6	65.5	55.2	61.1	57.7	68.1	68.3	58.5	90.0	101.5	79.9	90.2	68.3	61.4	84.9	62.6	69.2

PMMR	NICM pre-LVAD5	NICM pre-LVAD6	NICM pre-LVAD7	NICM pre-LVAD8	ICM post-LVAD1	ICM post-LVAD2	ICM post-LVAD3	ICM post-LVAD4	ICM post-LVAD5	ICM post-LVAD6	ICM post-LVAD7	ICM post-LVAD8	NICM post-LVAD1	NICM post-LVAD2	NICM post-LVAD3	NICM post-LVAD4	NICM post-LVAD5	NICM post-LVAD6	NICM post-LVAD7	NICM post-LVAD8
hsa-miR-143-3p	213641.9	173705.6	163608.0	171195.1	233532.0	197852.2	224606.5	155198.6	159859.2	169159.0	162907.4	190156.8	218374.1	256197.8	192662.8	168909.0	168195.3	196091.2	228149.3	162740.5
hsa-miR-22-3p	131956.2	146142.0	122781.2	126828.2	150217.6	123961.2	104833.1	136272.3	142565.9	94188.2	117161.8	113882.1	75487.3	108805.5	98665.1	113127.6	137039.9	132201.6	97097.5	118514.5
hsa-miR-27b-3p	70790.3	87780.8	98383.5	91877.6	75226.4	110766.4	82890.1	104389.6	98554.7	95268.8	88454.0	81694.6	64367.9	92041.7	84532.5	83424.1	99026.1	94005.8	91047.7	77471.1
hsa-miR-133a	40994.4	48351.9	46682.8	41229.6	47337.9	39622.4	33567.3	64287.5	63094.4	38182.6	55610.3	46766.0	15355.3	30579.0	52571.5	46126.6	65744.9	46693.8	37153.7	54327.0
hsa-miR-486-5p	26181.2	36081.7	39394.2	42703.6	24512.7	16588.7	13557.9	30275.4	29765.4	56100.3	43674.1	53460.6	10518.5	26413.6	26138.9	58277.4	19527.7	39861.5	46636.4	43653.5
hsa-miR-26a-5p	57897.1	40269.1	48928.2	42867.4	48640.5	47824.6	85607.8	47289.0	42173.8	68088.3	49514.1	48007.8	134842.9	49196.2	48481.3	36087.0	46650.0	46579.2	48083.6	39259.0
hsa-let-7a-5p	31576.1	35215.7	28470.6	32434.5	29071.7	35774.6	25420.2	30135.9	35650.1	45576.4	33238.6	38866.5	36799.7	47010.9	34298.4	39359.1	32678.0	36082.7	33978.6	36448.5
hsa-miR-99b-5p	6408.3	13573.6	20609.6	18613.0	4740.4	16731.3	15636.3	6549.6	6182.0	33646.7	8333.5	6565.3	15208.4	7370.8	25802.6	22784.7	3398.1	6358.0	18446.7	12704.5
hsa-miR-125a-5p	8868.3	13152.8	19720.0	14512.4	6139.1	15835.8	8147.0	11825.0	8370.3	22769.6	8285.7	6503.8	13740.4	8213.6	20486.7	15428.3	6487.9	8879.8	17276.8	13109.0
hsa-miR-378a-3p	14000.5	22920.7	20714.9	28771.2	25732.2	31177.6	21025.1	29060.2	27191.5	22760.0	32550.2	21937.5	18737.6	19504.8	25192.9	18543.2	21398.1	21780.6	25010.8	39197.1
hsa-let-7f-5p	20144.9	24485.7	23851.1	26624.7	17148.0	22962.4	14437.3	24601.0	26934.2	24646.6	25695.0	27440.7	16332.2	20861.6	22739.9	24337.3	22103.5	23298.0	25565.0	30193.4
hsa-miR-30a-5p	31659.1	34862.5	34549.1	38227.9	31665.5	24799.7	28459.1	36329.1	34274.7	25934.2	35657.5	34393.3	19982.0	30405.6	36711.1	32868.7	32693.7	34808.0	31171.4	35050.6
hsa-miR-30d-5p	25223.2	29146.9	31845.4	34452.8	23399.6	17469.6	19319.9	34828.1	32292.1	24166.8	23662.0	24981.7	9000.5	17807.2	26992.8	26380.4	23922.9	25190.0	23340.0	31612.0
hsa-miR-181a-5p	18914.1	21201.2	21571.9	27031.8	24247.8	25969.9	20466.7	16571.5	16904.0	23345.5	21807.5	27227.6	21560.0	21750.3	19531.8	15629.2	20653.2	19584.3	19182.8	21104.6
hsa-miR-191-5p	8419.8	8160.8	8120.5	8534.8	7822.8	6390.8	10512.7	6000.3	5940.5	10700.4	6969.6	7843.4	9467.0	12184.5	8590.5	10062.3	7271.4	8177.5	6594.6	6217.2
hsa-miR-125b-5p	6107.3	10073.8	11813.9	8939.0	4953.1	14526.4	8308.1	7871.2	6304.2	13869.3	6392.0	5638.8	11167.8	8636.0	11092.3	9568.3	5360.7	7193.1	10298.9	6689.6
hsa-miR-10b-5p	14481.8	15908.2	5472.9	5452.5	5007.7	13219.0	13587.4	6083.4	11316.0	5289.4	24400.0	15430.7	35759.4	24166.8	11686.0	30764.1	20465.3	13498.1	7137.5	14583.4
hsa-miR-208b	19699.2	22330.6	20395.0	19175.9	27055.5	16513.6	20635.1	25685.3	26556.0	12438.2	20944.7	21920.7	7759.2	19694.5	22703.7	20768.3	21781.6	31410.2	20008.7	16438.6
hsa-miR-30b-5p	7114.6	9650.8	9021.2	7774.5	9848.2	7189.3	7097.2	9595.3	9793.1	4713.3	5318.9	5480.9	2535.9	5568.1	12738.6	6419.5	7110.4	6925.6	4919.1	6697.0
hsa-miR-100-5p	3721.4	6440.7	9843.0	5417.6	2748.2	19050.6	10876.9	2659.8	2462.6	13081.0	2247.3	2724.5	18187.5	4797.3	6522.0	6588.2	1581.1	3030.3	7213.8	2883.4
hsa-miR-92a-3p	10242.1	7375.2	10270.8	9438.9	7906.8	9567.8	7506.4	10223.4	8742.9	8521.8	9267.2	9847.1	8819.6	6259.9	10366.6	8090.2	10076.3	7865.7	9906.6	11238.2
hsa-miR-30c-5p	5225.3	7260.8	5269.4	5668.7	5978.4	4876.9	4270.2	8622.1	8035.9	4317.2	5086.2	4584.8	2222.0	4154.1	5868.6	5176.3	6119.6	6635.1	4380.1	6411.6
hsa-miR-26b-5p	7343.4	7176.5	7812.7	7693.5	7266.2	5684.6	6550.2	8261.7	7230.4	6295.7	6548.2	7078.4	3722.9	5360.9	7821.1	6635.7	6283.6	6475.4	7586.2	9026.3
hsa-let-7c	4620.5	5250.0	4349.9	4809.6	4769.7	5875.2	4179.8	5058.1	5916.4	7705.5	5776.8	6154.8	5061.6	7028.9	5473.1	5957.0	5236.1	5653.2	5778.4	5959.8
hsa-let-7g-5p	6792.2	7513.8	6864.4	7268.2	4633.2	6884.5	4157.6	7672.0	8301.8	7637.0	7601.5	7536.6	5444.5	5981.9	6329.7	6642.7	6791.0	7320.6	7265.1	8613.5
hsa-miR-126-5p	30247.6	22235.4	25480.4	26370.3	31287.0	16548.9	27620.1	22489.7	20109.5	9238.6	23010.0	24749.0	16553.5	17754.2	33660.8	27036.9	26180.9	20355.3	22435.3	23650.1
hsa-miR-148a-3p	9537.0	7157.6	6244.9	5109.4	5793.5	5045.5	7946.9	6326.9	6076.6	3615.1	5273.1	6973.0	12335.8	5480.1	7606.7	6885.7	6973.2	7360.8	6346.3	5061.9
hsa-let-7b-5p	4762.9	5061.5	3927.2	4158.4	3999.6	4944.1	4030.6	4410.3	4985.3	6548.7	4534.2	5333.9	4157.9	4813.0	4297.0	5006.6	4954.5	5586.4	4906.9	5269.4
hsa-miR-99a-5p	1808.1	2622.1	3206.1	2104.2	1020.7	3602.2	1956.3	2176.2	1700.1	4462.3	1727.2	1373.0	3083.3	1317.0	3475.0	2726.9	1350.4	1638.1	2865.8	1824.3
hsa-miR-30e-5p	13501.9	14006.1	14548.6	14919.7	12965.7	10923.6	9872.6	19393.7	18058.0	6983.0	16964.1	13345.9	6482.3	10644.4	15017.7	13541.9	16611.5	15374.7	13580.9	16698.6
hsa-miR-151a-5p	3486.8	4131.0	4151.6	3743.9	1997.8	3188.3	2478.4	3398.3	3483.8	4455.1	3220.9	3339.9	3096.8	3332.9	4296.7	3826.0	3285.0	3734.1	4226.0	4078.2
hsa-miR-1	4827.1	6589.2	10124.1	8700.7	5406.1	2816.8	3242.0	9767.9	10080.2	5294.8	7359.6	7196.1	497.5	4695.8	8224.7	10736.1	6423.4	5100.2	9447.9	15596.0
hsa-let-7e-5p	2030.3	2926.6	1741.3	2508.8	1939.7	2365.3	1434.7	2467.7	2917.6	2574.4	2491.0	2601.8	1622.3	3372.5	3327.3	3348.5	2702.8	3094.1	2428.3	3003.8
hsa-miR-186-5p	4949.7	4072.4	4864.4	4249.9	4077.5	4648.5	4916.7	4313.8	3983.1	4294.4	3950.6	4053.1	4680.2	4061.1	4383.1	4160.2	4688.6	4262.4	4178.0	3741.8
hsa-miR-23b-3p	4709.6	3858.5	3956.3	3961.2	7695.0	7263.3	11263.8	3549.9	4977.7	12352.3	6724.6	4210.3	6776.4	4076.5	4086.4	3132.6	4982.8	4267.9	4611.8	2500.2
hsa-miR-10a-5p	8059.9	4138.7	5397.2	4724.5	2635.4	2540.2	9241.6	6498.6	4533.5	15473.8	24865.6	18280.5	16835.8	14901.8	5093.1	20127.1	21404.8	1769.6	4694.6	26345.3
hsa-miR-151a-3p	2838.2	2519.7	3001.2	2798.9	2457.7	2863.7	3105.9	2454.8	2532.0	3180.5	2721.9	2736.5	3070.8	2663.6	3658.9	2901.0	3182.6	2670.0	2896.8	2812.9
hsa-miR-127-3p	5453.2	3265.0	2854.9	1660.4	2409.9	2799.2	4198.9	2133.3	3313.1	2939.7	2098.5	2699.3	4263.0	3996.1	2587.5	3370.5	4524.6	3053.0	2622.8	2569.1
hsa-miR-16-5p	6946.8	4469.2	4183.8	3955.5	5067.9	3442.0	4627.0	4656.0	4927.5	4586.3	4090.0	3974.3	5239.1	3659.3	4860.4	3819.0	4996.8	4666.9	3842.7	3607.5
hsa-miR-21-5p	9938.5	5743.6	6584.5	6010.5	6314.5	11006.3	12014.4	4732.2	6890.4	4391.8	5643.4	7061.7	28667.4	6908.7	2917.9	4437.5	11658.1	7417.8	5373.8	3662.9
hsa-miR-499a-5p	1930.4	2715.7	2170.7	2734.4	2466.6	2011.2	1783.4	3539.9	3477.9	1881.3	2928.2	2301.0	748.8	1691.7	2645.2	2612.1	2111.8	2439.1	2280.0	2900.3
hsa-miR-27a-3p	3372.1	2917.9	3509.8	3563.0	3623.6	4037.1	4372.1	2997.1	3218.0	2649.7	2936.0	3114.1	3259.8	4078.6	2603.6	2909.5	3129.3	3116.0	2556.9	2766.2
hsa-miR-101-3p	5134.5	3803.1	5378.1	4698.9	6063.2	7964.4	6384.7	5721.9	4348.1	3374.3	5820.8	5655.2	8542.7	4136.8	4851.8	3613.5	5029.5	4773.4	5467.8	5017.5
hsa-miR-28-3p	4030.9	2823.5	3488.4	2826.2	2859.7	3756.1	3498.1	4206.6	3447.3	2759.2	2915.9	2722.5	3704.6	2731.5	3472.9	2749.9	3542.2	3113.6	3160.7	2877.7
hsa-miR-2392	853.9	1063.5	1243.9	2067.9	898.1	646.4	2327.8	646.0	311.3	1349.8	2600.9	3130.9	677.6	902.7	1119.1	1686.8	306.0	451.7	820.3	1088.1
hsa-miR-98	1600.8	1942.3	1913.0	2114.8	1577.3	1585.4	1520.0	1433.2	1795.2	2187.1	1774.2	2157.6	1806.2	2882.5	1634.2	1906.3	1585.4	1986.8	1898.3	1773.8
hsa-miR-221-3p	1040.9	1650.8	1406.1	1751.6	424.7	673.5	437.3	1492.3	2403.5	855.9	762.2	692.3	523.7	288.3	235.2	1301.2	488.9	1217.7	1646.1	1573.4
hsa-let-7i-5p	3590.9	2690.2	2441.6	2474.1	2410.1	2820.2	3535.6	2331.5	2725.0	2838.6	2648.5	2698.1	5488.1	2436.7	2054.8	2184.5	3087.3	2897.2	2339.9	2330.1
hsa-miR-199a-3p#hsa-	6292.7	4014.9	3929.6	2577.6	4100.5	5363.5	5848.0	4028.7	4144.0	2866.0	4180.0	4549.1	7217.1	4741.3	2758.9	3336.7	5887.1	4776.0	3722.6	3448.6
hsa-let-7d-5p	1188.0	1508.0	1152.1	1610.8	951.7	1248.0	740.3	1437.9	1625.9	1685.0	1532.9	1715.3	790.4	1313.7	1283.2	1476.2	1286.7	1449.2	1326.3	1836.7
hsa-miR-24-3p	2382.5	2580.3	3426.3	3624.5	2587.2	1443.4	4229.5	2530.1	2636.2	2873.3	2600.9	2421.6	1207.9	3174.4	3352.1	3155.4	2521.1	2613.0	2816.6	2703.9
hsa-miR-29a-3p	1779.1	1482.9	1514.2	1661.8	1867.2	1637.3	1931.2	1997.4	1575.0	1213.0	1325.2	1369.7	2203.8	1177.3	1248.7	1142.4	1708.9	1473.1	1131.4	1291.9
hsa-miR-126-3p	5328.2	3355.3	4455.3	5045.5	2487.6	2405.1	3203.3	3566.9	3472.5	2822.3	3882.4	3786.1	5610.5	1579.1	2974.0	2077.0	3526.1	2731.5	3269.4	4631.8
hsa-miR-23a-3p	1391.0	1389.6	1233.2	1404.0	2066.6	1860.3	2728.7	1125.5	1296.4	1264.4	1239.8	1308.4	1747.8	1907.4	1196.8	1298.2	1265.4	1388.7	1036.6	1036.4
hsa-miR-30e-3p	1170.8	1437.7	1297.4	1343.9	1438.7	1321.3	1865.1	1629.8	1551.2	1534.6	1630.2	1585.5	986.0	1073.5	1833.7	1828.9	1406.6	1538.3	1385.5	1707.8
hsa-miR-103a-3p	2075.0	1586.5	1468.6	1659.5	1857.7	1804.9	1898.4	1386.8	1658.4	1487.4	1613.0	1591.1	1928.1	1305.4	1394.5	1205.5	1534.8	1528.5	1334.7	1337.0
hsa-miR-145-3p	662.9	730.1	748.2	680.7	549.9	910.8	642.1	770.4	573.6	1030.8	537.5	361.5	895.5	583.2	1019.8	901.9	396.4	666.4	1096.2	654.5
hsa-miR-30a-3p	800.6	1052.1	830.1	1075.3	1069.8	857.5	1608.5	873.2	918.1	1053.5	972.7	999.5	805.3	713.6	1054.8	1029.2	738.7	954.6	749.2	994.5
hsa-miR-222-3p	440.9	733.1	732.9	714.1	221.5	478.3	172.5	957.0	1494.9	321.9	168.9	305.2	210.4	199.7	181.0	753.1	270.3	664.2	815.8	775.0
hsa-miR-29c-3p	1328.7	1259.2	1133.3	1099.4	1490.5	1167.4	1242.8	1838.1	1602.1	626.7	1182.0	995.5	978.1	854.0	1231.3	1095.9	1379.6	1208.4	946.3	1054.8
hsa-miR-146b-5p	1396.7	399.1	1984.6	514.4	950.0	357.3	4763.2	297.3	715.5	651.0	1195.3	1550.4	5192.0	2277.9	455.6	767.5	3398.5	911.7	1077.0	249.7
hsa-miR-92b-3p	1348.6	877.1	1434.9	1196.3	876.9	1513.9	990.9	873.0	834.6	780.1	707.3	1099.8	861.4	1141.8	987.9	930.5	911.0	847.3	1039.9	1058.9
hsa-miR-140-3p	1548.1	1017.4	1152.9	978.3	1572.5	1406.2	1539.6	1133.1	1082.8	1300.3	1281.4	1410.9	1335.8	999.5	1095.6	888.0	1083.7	1059.3	1284.3	1038.8
hsa-miR-181c-5p	904.7	1077.1	1188.2	1063.8	1132.3	1219.6	1136.0	1041.5	1040.2	1026.9	1236.9	1184.4	883.6	1217.5	1019.4	910.6	1249.2	1090.6	1116.2	1030.9
hsa-miR-148b-3p	734.9	724.6	492.8	483.6	674.0	548.3	989.9	591.4	627.2	573.5	595.9	575.1	758.6	768.9	849.8	678.6	779.0	789.7	501.1	529.7
hsa-miR-192-5p	932.8	699.6	1037.8	973.3	684.6	741.0	731.6	665.1	607.7	832.2	734.1	968.7	820.2	785.6	750.0	668.1	584.1	638.2	871.6	739.3
hsa-miR-25-3p	1106.2	685.8	769.9	803.3	785.7	916.8	1035.0	746.8	766.0	923.7	684.3	778.6	1555.6	669.9	801.9	793.6	771.4	759.8	744.5	740.4
hsa-miR-125b-2-3p	568.8	498.9	535.6	496.3	665.3	770.7	763.5	593.2	592.6	713.6	652.9	632.2	685.2	785.1	717.1	639.7	712.5	573.0	576.3	569.7
hsa-miR-423-3p	748.1	750.0	1217.3	973.8	614.3	989.8	507.0	1038.9	929.6	994.1	1092.4	916.9	640.5	528.5	564.8	543.6	871.7	820.5	964.8	1032.0
hsa-miR-145-5p	959.3	714.5	422.6	456.8	1037.9	623.6	1584.6	700.6	683.1	815.3	777.9	554.6	820.0	304.9	492.9	387.4	788.1	719.3	603.1	406.7
hsa-miR-1271-5p	40.9	196.0	306.8	177.1	52.7	237.7	102.1	97.6	78.6	479.9	67.2	21.3	143.9	40.9	379.0	281.9	16.3	61.2	225.8	102.5
hsa-miR-195-5p	883.9	690.9	630.8	572.6	1266.6	978.0	1926.3	536.4	681.3	743.5	659.0	686.1	1397.0	1241.5	778.8	755.8	701.6	783.2	661.8	458.2
hsa-miR-150-5p	205.4	289.5	223.4	149.5	168.0	178.5	142.8	293.6	182.5	269.4	178.7	196.2	561.1	74.7	215.8	143.2	355.3	168.0	183.9	241.6
hsa-miR-199b-5p	1583.9	1143.2	912.1	527.1	615.2	1419.0	1412.5	934.0	887.6	860.2	600.8	720.3	2317.1	772.2	783.8	939.1	1123.5	1026.2	727.2	617.0
hsa-miR-199a-5p	896.8	687.4	771.1	509.5	615.2	1032.1	1399.9	626.2	605.6	818.2	695.8	770.2	1731.2	961.1	656.2	730.3	1006.4	793.7	752.5	541.1
hsa-miR-130a-3p	815.2	625.6	685.3	521.0	728.4	635.8	690.5	640.2	560.6	498.9	536.8	508.9	832.4	483.4	539.0	451.8	692.5	668.2	547.8	458.7
hsa-miR-490-3p	348.9	457.3	331.2	422.2	644.0	600.5	453.8	738.0	416.2	369.1	552.9	401.0	285.1	334.8	682.1	410.0	683.4	542.0	329.6	495.1
hsa-miR-28-5p	580.7	533.3	710.8	603.4	498.9	583.2	454.9	708.1	681.7	610.1	665.7	567.7	445.0	444.8	497.4	446.0	618.6	579.9	656.7	683.9
hsa-miR-340-5p	551.2	444.8	412.8	479.3	527.9	558.8	524.7	422.8	470.6	296.3	336.5	487.9	634.3	320.1	539.7	342.7	401.6	393.4	447.2	440.9
hsa-miR-320a	696.5	476.1	508.7	529.3	342.0	553.0	500.8	504.2	500.7	591.6	539.8	634.7	534.6	429.0	399.4	389.2	528.2	501.3	423.4	563.8
hsa-miR-181b-5p	710.0	619.0	820.5	837.1	820.4	1000.6	813.3	531.9	637.7	778.4	721.0	836.5	666.5	709.1	497.3	478.9	743.5	641.2	711.1	555.5
hsa-miR-20a-5p	250.0	236.2	132.6	273.5	195.3	176.7	136.9	222.9	247.2	137.4	186.9	199.9	117.5	150.7	298.5	266.3	169.5	198.0	173.9	309.7
hsa-miR-361-5p	200.8	207.7	256.0	271.1	333.3	227.9	325.4	207.2	176.1	235.1	181.7	188.2	279.9	248.4	301.1	272.4	183.8	210.3	216.7	207.9
hsa-miR-152	501.8	442.2	211.2	387.5	493.2	461.6	703.6	369.6	409.0	349.9	398.4	345.6	442.3	325.7	395.8	327.5	372.1	450.2	189.3	348.5
hsa-miR-501-3p	62.6	99.8	249.2	227.3	33.2	122.5	189.9	53.4	42.7	267.0	79.8	61.1	142.3	27.9	224.9	253.0	12.0	38.6	155.7	124.5
hsa-miR-93-5p	491.1	373.5	267.2	417.4	300.3	316.2	299.6	235.5	368.7	351.2	284.0	318.7	350.5	262.8	294.4	319.9	276.1	302.5	262.2	366.1
hsa-miR-941	245.1	198.9	376.3	287.5	118.7	114.2	267.3	244.6	267.0	432.0	257.5	179.5	161.0	289.9	413.8	279.1	278.2	199.6	312.6	238.9
hsa-miR-197-3p	258.7	217.4	243.8	181.4	241.3	280.3	269.2	266.6	281.4	352.8	288.6	191.1	356.6	155.1	159.7	177.9	269.4	222.1	211.5	166.9
hsa-miR-500a-3p	135.3	140.4	179.4	195.8	108.9	158.3	206.2	93.8	100.3	222.4	105.7	121.0	254.1	120.9	171.9	196.0	87.4	100.3	134.6	128.0
hsa-miR-193a-5p	369.1	220.8	68.6	203.0	60.3	104.0	87.6	209.2	223.1	233.0	201.1	203.3	104.5	144.5	167.3	206.8	221.4	245.0	128.4	282.0
hsa-miR-193b-3p	316.0	186.8	151.4	169.3	184.2	259.5	234.1	239.1	231.8	233.7	242.3	178.4	373.5	188.1	221.0	145.9	230.2	198.7	182.6	195.1
hsa-miR-484	336.8	241.0	291.2	284.1	195.1	217.4	205.5	224.0	231.4	175.9	219.2	209.7	150.0	192.5	239.0	216.3	247.3	212.2	236.4	216.8
hsa-miR-381	438.5	245.2	353.5	161.7	262.6	364.7	379.7	211.7	315.4	254.0	242.0	316.1	481.7	271.9	187.3	198.5	352.1	245.3	344.6	252.3
hsa-miR-342-3p	123.6	162.3	188.4	173.5	166.4	141.7	244.4	109.2	162.2	202.1	172.9	172.0	373.7	259.7	175.6	161.7	118.1	130.7	178.8	140.0
hsa-miR-874	134.7	158.9	135.3	339.2	180.8	105.1	157.1	116.6	121.6	160.3	149.3	150.2	112.1	220.5	175.5	164.3	169.2	141.5	120.6	132.1
hsa-miR-423-5p	277.9	254.0	263.0	237.2	143.9	264.5	106.0	349.8	341.9	211.2	192.8	153.0	174.4	188.3	227.9	218.6	288.6	296.6	272.0	251.0
hsa-miR-190a	293.3	392.0	324.9	386.8	235.9	232.9	117.0	401.3	332.4	148.9	363.9	328.9	78.2	256.7	513.4	397.4	246.6	328.6	449.8	382.6
hsa-miR-15a-5p	494.1	371.3	325.1	368.0	358.5	306.6	303.4	406.0	405.6	296.1	357.7	315.3	413.4	260.7	349.2	292.9	410.7	377.9	301.5	357.8
hsa-miR-365a-3p#hsa-	138.5	92.0	97.8	87.5	138.0	128.9	166.6	130.9	120.7	130.9	122.2	96.1	143.5	114.7	128.5	107.8	124.9	90.0	125.2	107.0
hsa-miR-146a-5p	372.4	152.3	334.0	275.0	332.0	106.7	409.4	149.7	199.3	395.4	307.9	261.9	1154.5	402.5	371.1	277.5	219.1	159.7	397.4	298.6
hsa-miR-181a-2-3p	285.1	394.3	367.0	320.1	282.3	366.1	345.8	449.1	490.2	524.9	363.5	304.5	189.3	262.4	234.5	326.4	382.1	541.8	373.2	230.4
hsa-miR-3182	1761.5	402.7	892.0	385.9	548.3	145.7	1785.9	26.5	79.8	1248.0	3303.8	214.0	3106.4	324.2	495.3	132.6	1242.7	1021.9	1378.7	21.9
hsa-miR-497-5p	432.3	343.5	202.9	165.8	435.9	409.3	386.8	277.0	405.7	226.0	178.3	235.2	322.2	258.2	227.4	228.3	448.4	377.1	206.9	157.2
hsa-miR-652-3p	211.2	195.9	228.5	226.3	159.1	123.6	176.6	204.4	216.3	246.7	155.1	152.9	124.9	104.1	86.7	153.1	138.0	226.2	166.1	175.4
hsa-miR-107	210.8	222.6	201.3	269.9	282.5	224.4	176.6	177.4	194.2	167.5	216.0	206.3	128.1	156.7	248.7	140.2	206.7	233.1	139.3	184.4
hsa-miR-221-5p	23.3	70.4	88.9	65.3	7.2	43.1	14.0	56.3	71.2	61.3	18.2	16.9	42.1	18.5	13.3	90.0	8.2	38.7	87.1	46.9
hsa-miR-654-3p	250.6	159.8	147.6	92.3	115.7	168.4	184.5	120.3	209.9	167.9	121.4	156.5	235.2	186.8	115.2	130.1	232.0	157.5	169.8	138.8
hsa-let-7d-3p	143.1	135.4	154.3	145.6	211.8	204.1	275.3	138.9	159.9	166.8	128.4	137.7	170.1	138.4	158.0	139.7	148.4	132.7	113.2	136.1
hsa-miR-21-3p	276.5	158.4	227.7	214.1	214.4	385.9	598.6	124.9	193.0	211.2	197.2	308.7	854.3	275.5	86.5	180.1	411.5	273.8	175.0	107.7
hsa-miR-574-3p	208.4	149.6	102.1	75.8	167.3	189.3	247.4	146.8	152.6	112.0	112.0	108.3	231.4	162.3	105.3	125.3	190.7	175.1	80.9	80.0
hsa-miR-378b	5.6	5.9	10.8	13.5	104.6	142.2	158.4	8.5	9.4	9.3	13.9	10.0	96.8	84.2	208.6	127.6	8.3	5.9	14.4	19.5
hsa-miR-29b-3p	208.4	146.9	167.4	304.7	640.6	229.8	400.0	170.7	152.3	85.1	141.1	152.2	149.1	156.4	117.6	155.2	120.7	172.2	100.6	103.1
hsa-miR-17-5p	108.5	105.7	59.2	106.3	88.5	76.0	74.5	91.4	108.8	64.2	71.1	75.9	65.3	62.3	103.2	92.0	89.8	75.4	64.5	111.8
hsa-miR-214-3p	126.3	104.0	79.5	73.9	129.5	194.0	235.5	84.6	97.6	113.8	108.0	122.0	157.3	166.4	95.9	132.5	155.7	158.7	52.8	111.9
hsa-miR-34a-5p	184.7	281.4	121.3	140.8	127.2	119.2	212.6	249.7	291.5	108.1	243.8	142.1	181.7	156.1	146.6	182.1	194.4	266.0	157.6	155.7
hsa-miR-378a-5p	82.5	95.8	76.3	118.4	135.2	201.9	261.6	117.0	145.0	152.8	157.8	87.1	175.7	80.9	97.9	88.7	110.1	101.0	109.2	120.8
hsa-miR-30d-3p	168.0	190.0	201.5	232.1	208.7	206.4	130.0	253.5	204.7	98.4	152.8	183.5	92.0	153.4	208.9	191.4	163.2	175.5	147.4	187.8
hsa-miR-374a-5p	127.7	149.7	111.2	130.8	168.8	100.9	256.1	143.5	126.0	70.8	103.9	102.3	227.1	157.7	196.8	184.0	99.7	138.7	110.1	94.4
hsa-miR-421	118.4	135.7	104.2	156.4	195.9	127.1	159.5	122.6	119.1	99.8	109.5	120.2	107.9	166.4	106.6	103.2	87.1	159.9	83.2	100.8
hsa-miR-532-5p	184.1	116.3	132.0	142.9	159.9	175.7	202.0	119.6	139.4	121.0	120.1	132.6	320.4	99.8	94.3	116.8	126.0	129.4	116.7	116.3
hsa-miR-136-3p	324.9	166.7	182.9	89.5	164.3	214.1	215.4	171.5	213.8	125.5	154.9	175.4	311.1	164.7	113.4	128.1	241.2	167.3	201.3	150.8
hsa-miR-454-3p	134.2	145.8	103.3	138.6	111.5	81.4	98.6	131.4	146.4	78.8	112.3	108.0	63.3	92.5	118.1	129.0	115.6	118.6	100.8	131.1
hsa-miR-374b-5p	118.6	118.2	95.4	100.3	288.6	116.3	259.1	115.0	111.3	76.6	193.5	90.1	155.0	108.7	155.5	134.4	91.6	116.5	83.4	98.1
hsa-miR-411-5p	266.8	151.4	155.9	78.9	161.7	121.8	176.2	134.2	180.7	114.9	104.3	166.4	169.2	140.0	128.0	142.8	234.7	163.6	162.4	149.7
hsa-miR-4301	152.2	135.4	167.1	170.7	130.8	111.6	127.6	126.1	138.3	142.9	229.4	141.8	131.6	69.0	168.0	92.1	113.7	125.0	139.1	158.4
hsa-miR-502-3p	35.7	44.0	56.8	52.1	27.1	60.7	44.9	33.5	31.7	76.0	23.5	21.3	59.8	18.6	54.4	49.5	20.0	24.3	47.2	34.0
hsa-miR-148a-5p	78.0	60.7	69.6	55.2	74.6	59.5	69.1	66.0	51.2	65.3	67.2	88.8	132.8	56.1	67.6	67.1	61.8	67.4	72.2	68.7
hsa-miR-19b-3p	272.6	146.4	165.0	153.6	198.8	176.5	252.2	201.9	166.2	119.7	193.0	160.2	328.3	106.2	165.9	124.2	203.4	141.7	172.2	155.8
hsa-miR-338-3p	124.4	125.2	130.7	65.4	41.9	57.7	42.7	176.8	161.5	79.8	134.0	129.9	79.4	44.9	113.2	110.7	110.8	186.0	243.2	109.2
hsa-miR-29c-5p	73.8	87.5	59.0	77.9	100.9	56.7	94.9	89.9	98.8	66.4	69.6	60.1	43.7	46.4	85.8	84.1	81.2	77.1	57.8	69.3
hsa-miR-22-5p	104.7	137.7	85.3	108.4	146.3	93.4	116.9	111.0	133.3	78.0	99.1	93.8	55.1	79.7	89.3	111.1	107.6	109.4	78.3	99.5
hsa-miR-128	103.8	102.4	97.2	96.1	116.7	116.0	82.0	128.7	119.2	93.6	86.4	77.8	70.9	78.0	76.8	71.2	85.2	82.1	86.5	95.6
hsa-miR-345-5p	144.7	123.4	174.3	108.5	85.5	93.7	67.6	169.8	132.9	111.8	146.1	136.0	109.7	93.5	127.8	127.2	162.5	125.2	211.7	134.8
hsa-let-7b-3p	102.6	80.4	58.1	56.9	87.9	91.7	128.2	77.6	75.9	82.3	72.2	78.6	112.3	87.9	88.0	83.5	94.6	94.9	66.6	60.2
hsa-miR-208a	74.9	72.9	81.4	54.5	62.1	55.7	85.7	98.3	104.8	52.0	79.6	84.0	36.5	96.6	58.7	68.4	99.1	119.6	67.8	30.1
hsa-miR-331-3p	129.4	113.3	52.5	51.1	117.6	103.7	139.1	147.1	137.3	91.9	54.0	42.0	79.7	27.9	57.1	38.3	138.7	104.0	46.7	40.7
hsa-miR-1307-5p	601.7	281.6	462.9	548.9	441.6	384.7	309.5	509.0	469.6	291.0	516.7	588.6	163.9	278.1	486.6	331.9	630.7	336.8	506.5	256.5
hsa-miR-769-5p	234.2	212.1	239.3	207.6	238.0	199.1	234.5	208.2	212.7	189.4	183.2	217.3	213.8	159.7	138.9	127.8	203.1	206.6	183.9	169.6
hsa-miR-181d	88.5	104.3	105.4	91.7	110.0	97.8	145.6	91.7	97.2	76.7	97.1	112.8	55.5	113.9	114.8	102.7	115.9	102.2	93.4	89.4
hsa-miR-139-5p	102.6	49.6	85.4	52.9	75.1	43.4	96.2	74.4	55.3	76.0	74.6	71.8	104.7	25.7	72.3	44.5	90.9	56.2	57.9	68.6
hsa-miR-660-5p	147.7	103.1	89.8	110.0	122.8	108.9	147.1	94.9	108.0	82.2	90.7	93.5	208.3	61.3	73.9	76.6	91.4	92.1	91.9	86.1
hsa-miR-584-5p	80.8	94.1	109.1	48.6	84.6	58.3	55.6	70.8	53.7	79.0	73.0	92.7	32.1	26.5	93.1	70.7	106.9	75.7	82.8	81.0
hsa-miR-378g	11.3	20.3	14.9	16.2	55.1	69.3	17.8	23.7	20.8	17.9	24.4	18.5	44.0	42.7	31.0	16.9	17.3	16.8	16.4	24.7
hsa-miR-15b-5p	116.8	72.0	78.0	79.3	85.1	79.0	120.3	72.6	86.1	105.7	77.3	78.0	148.0	76.5	81.7	64.9	62.3	73.3	74.7	69.7
hsa-miR-378c	59.1	62.2	62.0	84.8	62.5	93.6	67.3	109.8	96.2	58.3	80.8	70.2	66.9	47.6	68.9	61.2	84.2	80.6	67.3	95.4
hsa-miR-181c-3p	92.1	99.8	88.5	73.9	82.7	67.9	71.8	108.5	111.4	100.1	118.5	103.6	42.3	61.3	92.2	74.5	118.6	104.7	95.7	105.1
hsa-miR-362-5p	27.9	29.6	22.5	42.4	55.1	21.0	47.5	21.1	16.8	27.0	13.5	25.8	16.7	45.6	34.3	42.7	16.5	26.4	19.3	29.5
hsa-miR-301a-3p	398.0	339.4	367.4	322.6	371.9	317.2	338.2	283.2	331.5	126.0	287.2	324.9	246.6	304.3	241.5	243.5	374.7	359.9	277.8	218.2
hsa-miR-374a-3p	202.2	177.1	180.5	157.6	200.9	239.4	284.0	212.0	195.9	71.9	184.5	179.5	283.0	160.8	171.0	162.7	181.9	192.2	176.3	134.9
hsa-miR-452-5p	109.8	121.2	106.5	215.4	116.3	100.5	143.7	113.3	133.1	90.2	126.2	115.6	77.7	89.9	150.9	190.7	87.1	178.1	113.3	150.8
hsa-miR-378d	41.1	61.2	45.5	61.2	52.1	69.8	50.7	65.3	64.5	36.7	64.8	48.1	39.9	40.4	48.4	44.6	60.1	54.2	44.1	65.6
hsa-miR-410	139.7	51.0	47.6	33.4	50.1	60.3	69.4	41.2	54.6	44.9	30.2	51.3	77.3	67.0	35.3	41.7	86.8	47.8	46.5	45.4
hsa-miR-181a-3p	87.0	88.8	66.2	105.9	123.5	120.0	95.9	64.1	71.7	64.3	63.0	114.1	96.6	68.1	87.5	55.0	93.8	72.3	68.9	85.5
hsa-miR-27b-5p	150.2	115.3	145.9	110.2	85.9	150.3	141.3	195.4	179.5	161.3	158.9	131.3	88.9	87.3	99.4	82.8	204.6	166.9	149.7	105.5
hsa-miR-664-3p	31.0	26.9	20.2	28.5	75.3	35.1	75.2	20.9	27.4	35.5	19.5	21.7	62.1	26.1	24.5	23.9	28.0	24.1	21.0	18.9
hsa-miR-210	154.9	77.6	107.8	109.4	112.2	92.1	107.5	72.6	71.7	95.0	84.3	107.8	54.0	55.1	101.8	54.5	94.1	57.3	65.2	78.8
hsa-miR-328	85.1	85.2	83.8	80.4	61.4	75.9	61.2	97.6	91.7	83.5	77.9	74.4	57.1	50.3	70.5	55.2	93.0	89.8	78.5	79.9

hsa-miR-335-3p	52.9	35.4	41.2	122.7	40.6	41.7	19.2	20.9	46.8	33.0	120.4	33.7	41.7	39.4	68.8	18.1	101.3	23.2	109.5	41.1	158.0	34.7	71.1	30.0	30.6	19.6	141.0	33.9	80.3	52.9	34.8	24.9	523.4	24.8	23.0	28.8	41.9	61.7	110.6	44.7
hsa-miR-339-3p	48.8	66.7	43.1	53.0	59.4	46.3	71.3	71.6	38.3	65.2	40.8	99.8	108.4	61.0	57.2	56.1	50.4	52.4	47.0	57.3	110.6	88.2	85.3	72.3	65.3	79.2	55.3	111.6	110.9	71.0	57.8	57.5	46.6	39.9	64.4	48.1	95.7	91.6	65.9	68.8
hsa-miR-361-3p	48.1	77.4	71.4	67.9	76.9	76.1	102.4	90.1	50.8	55.2	61.1	108.5	127.4	72.2	73.5	97.7	54.5	59.2	66.6	58.7	130.6	88.4	129.4	105.9	52.5	75.3	58.3	126.9	107.2	72.5	82.2	90.6	96.3	34.5	71.0	67.2	117.0	89.6	108.5	122.3
hsa-miR-9-5p	46.5	71.9	64.6	75.7	57.8	63.5	43.8	53.5	9.8	5.4	22.7	29.9	34.0	13.7	32.1	21.2	11.5	26.7	29.5	50.9	30.3	39.5	28.4	31.2	52.3	31.7	26.3	68.7	52.7	21.2	33.7	45.1	24.2	29.4	52.4	31.2	28.1	68.6	58.3	36.9
hsa-miR-422a	46.4	31.9	21.0	17.8	10.6	20.9	17.1	16.2	30.1	33.4	9.6	14.7	15.1	10.1	5.1	7.0	36.0	42.0	12.3	12.5	7.6	17.7	8.8	12.2	40.8	47.6	11.8	18.3	14.0	10.0	15.4	9.7	32.4	31.5	18.6	12.0	13.9	13.6	11.0	20.0
hsa-miR-218-5p	45.7	35.2	56.5	43.9	80.8	52.4	45.8	59.6	71.7	76.5	69.2	80.7	86.6	48.4	142.7	61.1	46.2	60.7	79.0	137.1	77.7	49.0	73.9	51.4	135.2	84.3	159.7	54.1	54.9	53.1	67.3	67.3	101.2	86.8	137.9	70.4	66.2	66.7	62.1	48.4
hsa-miR-409-5p	45.1	27.6	32.4	38.4	41.8	30.0	1.9	0.9	10.4	0.8	19.0	11.0	5.1	17.8	5.8	1.2	10.3	2.2	16.1	18.9	16.5	21.9	20.7	9.7	3.3	18.9	10.5	6.4	7.9	26.3	1.3	0.9	28.1	2.3	14.3	18.6	2.7	3.9	11.5	8.3
hsa-miR-486-3p	44.8	64.7	225.4	144.1	60.5	137.9	403.7	177.5	40.6	77.5	71.7	144.9	77.6	94.7	22.8	135.2	46.9	79.2	59.2	78.7	71.5	95.3	96.7	83.6	76.6	86.7	55.2	195.5	156.7	74.3	143.1	142.0	21.6	51.5	85.8	156.5	110.7	162.4	180.3	121.9
hsa-miR-409-3p	44.5	47.2	34.5	53.1	51.1	39.9	24.6	38.2	35.8	34.6	64.4	47.0	43.7	28.7	46.4	50.2	36.8	47.5	27.4	42.3	109.5	40.7	47.6	44.3	43.6	49.6	72.6	23.9	57.1	48.7	30.1	61.8	59.2	49.5	23.6	39.6	83.4	38.1	41.2	56.6
hsa-miR-135a-5p	43.7	13.4	8.7	6.1	32.6	34.0	18.1	15.8	20.9	8.5	7.1	6.1	27.0	4.9	65.9	10.3	10.9	23.5	8.2	66.3	3.7	4.7	5.8	27.1	124.3	35.6	63.6	11.2	2.7	7.5	13.3	23.4	18.6	30.6	15.1	7.4	3.7	6.5	21.1	26.6
hsa-miR-149-5p	43.4	68.8	99.4	82.0	61.1	66.6	51.2	84.3	43.7	50.5	96.3	138.6	159.0	64.5	50.6	64.7	55.9	55.3	80.2	56.8	77.6	107.6	104.9	56.3	43.8	62.5	75.8	130.4	89.3	79.9	64.9	65.4	29.7	41.3	84.9	47.1	138.5	81.1	63.0	55.6
hsa-miR-140-5p	43.3	41.7	44.7	50.7	44.7	46.8	90.3	31.4	43.9	57.2	38.1	58.3	66.0	40.4	44.8	39.6	35.7	43.5	40.5	64.9	61.1	51.3	41.7	37.0	64.4	46.4	50.9	57.8	60.8	28.5	28.6	34.5	36.4	43.8	51.0	47.5	43.6	52.7	47.1	43.7
hsa-miR-1307-3p	41.7	88.4	94.6	98.1	84.1	58.6	137.4	126.1	53.8	92.2	65.7	125.7	165.4	125.8	52.2	145.1	73.6	60.7	84.7	77.2	109.5	106.1	123.5	146.3	77.5	63.2	70.0	104.1	136.0	114.0	110.6	118.1	20.4	51.5	76.3	83.7	119.4	90.9	102.0	117.8
hsa-miR-132-3p	41.4	53.1	31.5	44.0	132.5	83.1	78.6	53.5	60.6	78.7	74.7	57.3	104.8	93.8	66.7	69.4	44.2	52.1	59.0	67.9	116.4	60.6	59.4	72.8	160.8	132.9	132.7	36.1	63.8	77.4	53.7	59.0	132.1	52.6	70.1	40.0	105.2	53.2	44.1	37.7
hsa-miR-1260a	40.5	57.7	69.1	47.0	60.2	35.5	54.6	70.7	33.1	31.0	30.2	68.3	107.3	51.7	116.1	69.4	33.7	34.2	20.8	30.9	97.1	67.5	54.7	59.5	48.0	80.6	101.3	78.5	89.1	48.8	91.2	114.8	43.7	30.9	36.3	44.4	84.8	82.3	58.1	80.3
hsa-miR-99a-3p	39.4	34.1	31.3	24.6	34.1	34.7	35.2	41.0	33.2	59.0	44.1	51.2	48.5	37.7	51.9	38.0	36.2	34.8	31.9	42.4	52.3	39.5	38.2	39.4	61.2	54.7	52.8	70.8	60.1	41.8	58.9	52.2	42.0	35.5	46.8	36.6	68.8	48.6	38.3	45.1
hsa-miR-224-5p	37.6	30.0	30.8	73.2	92.4	52.2	23.1	57.4	23.0	25.8	58.4	39.2	43.0	69.7	40.3	39.5	69.3	45.4	54.3	72.0	93.0	53.4	68.2	100.5	38.0	50.1	61.9	53.5	65.7	62.1	41.8	51.0	62.2	40.0	57.2	72.7	49.2	69.8	67.3	71.2
hsa-miR-204-5p	37.4	21.5	24.7	19.3	92.4	36.0	21.0	38.4	104.6	86.4	253.4	41.9	112.5	18.9	422.8	26.7	81.0	105.8	77.9	363.1	82.7	42.2	32.9	88.0	186.0	213.6	260.0	60.9	34.5	24.6	40.1	58.1	214.2	166.7	65.6	39.7	27.3	65.4	91.5	36.9
hsa-miR-30b-3p	37.1	30.4	45.6	32.0	22.8	31.6	27.9	38.9	9.5	27.2	16.4	33.2	34.9	25.5	6.2	44.4	19.5	32.3	25.2	23.7	20.5	34.1	10.5	40.2	12.4	21.2	7.7	33.8	37.4	20.5	23.0	29.7	5.2	22.6	37.1	44.5	24.3	31.0	10.3	41.9
hsa-miR-425-5p	37.1	37.9	37.1	53.2	54.2	53.9	41.5	47.1	48.9	68.9	49.4	75.4	91.9	50.0	64.7	58.2	66.1	48.9	54.4	61.2	109.3	57.0	64.9	76.3	72.3	52.2	67.0	51.3	54.6	56.9	58.3	55.6	60.6	49.8	40.8	46.8	57.7	50.7	42.7	46.0
hsa-miR-363-3p	36.8	40.9	35.9	34.2	46.1	49.9	31.8	43.9	48.6	41.1	37.0	65.2	68.0	26.3	72.0	45.5	31.7	54.7	43.2	99.8	127.5	51.9	79.2	91.7	37.1	46.3	40.8	54.0	51.9	75.5	43.8	60.8	75.3	43.3	44.6	61.9	38.6	45.6	59.1	41.3
hsa-miR-142-5p	35.7	29.9	100.5	140.6	156.8	220.5	350.3	112.4	234.1	213.6	419.8	270.9	267.6	153.7	209.1	181.7	183.5	127.4	191.9	304.8	592.2	147.5	358.8	329.5	231.1	276.3	641.9	132.0	185.1	163.0	213.5	309.7	2642.4	256.6	138.8	164.6	335.0	182.5	271.7	109.9
hsa-miR-4792	35.5	12.5	8.0	14.9	18.5	24.8	7.1	7.8	17.3	8.3	21.1	64.8	54.8	29.8	93.1	33.7	35.0	33.3	12.1	50.4	90.3	38.6	40.5	45.6	32.5	4.6	28.3	65.2	24.5	14.7	26.0	22.0	138.4	44.8	15.3	47.7	22.6	23.7	58.2	18.4
hsa-miR-450b-5p	34.8	46.8	66.8	54.7	79.6	108.3	20.5	44.6	72.5	47.5	72.2	64.9	52.6	58.0	33.9	51.3	81.2	73.4	77.7	81.2	42.7	78.6	39.4	51.0	83.3	96.7	75.8	64.7	49.1	31.7	46.5	51.3	62.1	45.6	55.8	76.1	43.6	62.3	33.3	43.1
hsa-miR-143-5p	34.5	25.9	62.6	73.8	75.3	62.9	45.8	42.1	45.6	32.4	44.7	67.4	54.0	68.7	74.5	51.1	49.6	52.1	43.4	64.0	79.4	68.1	46.2	50.1	50.8	51.8	54.8	65.5	63.0	38.0	41.4	53.3	49.0	39.4	57.8	43.1	51.1	62.6	72.4	57.1
hsa-miR-30c-2-3p	33.2	27.1	34.9	38.0	36.8	33.5	35.4	34.6	33.2	36.8	31.9	32.7	45.6	43.8	33.2	43.0	30.3	49.2	36.0	32.9	38.4	38.2	41.2	41.9	45.6	40.2	49.4	36.2	35.1	41.7	45.1	43.1	29.1	25.3	35.7	29.7	31.4	33.7	37.8	35.5
hsa-miR-26b-3p	32.6	27.6	25.9	18.7	19.6	17.3	23.3	21.2	17.4	18.9	14.8	23.8	24.6	18.0	21.8	20.6	15.7	17.5	16.8	17.1	23.7	23.5	22.4	21.7	21.5	28.3	18.0	24.8	23.9	23.8	18.9	20.9	18.1	14.9	21.8	17.0	25.6	24.2	18.1	19.9
hsa-miR-589-5p	30.4	39.7	25.2	32.1	41.3	41.0	27.9	44.3	26.0	22.8	29.7	34.2	31.4	39.6	33.8	41.9	31.7	28.7	35.2	35.9	38.4	39.4	44.6	51.7	23.7	23.9	27.7	47.2	35.4	62.1	43.9	38.0	19.3	29.7	36.3	39.4	37.1	50.7	34.0	41.2
hsa-miR-185-5p	29.1	35.8	42.6	52.6	34.3	38.0	49.7	47.8	22.3	33.2	25.3	46.2	51.8	51.1	28.3	35.2	43.0	23.0	41.1	38.1	48.4	51.9	57.0	71.3	29.7	23.6	27.4	32.8	47.4	34.8	27.8	39.8	13.7	25.8	31.6	38.0	21.4	45.4	36.7	44.8
hsa-miR-455-5p	29.1	25.6	41.7	41.6	47.3	48.2	38.0	28.9	34.4	38.1	37.6	39.2	38.8	25.2	28.5	25.3	31.8	35.1	45.3	37.1	38.7	33.8	28.7	17.0	47.1	43.8	50.0	47.7	42.8	30.0	47.9	28.0	34.5	26.0	61.8	40.2	60.5	42.5	37.5	25.0
hsa-miR-340-3p	28.4	25.6	27.3	20.9	18.2	20.8	27.2	27.9	19.5	18.3	17.2	26.3	25.4	29.8	8.7	26.8	17.5	21.2	23.6	11.6	20.7	22.8	28.4	23.0	14.1	18.3	10.2	22.2	24.4	23.3	23.9	23.9	11.6	11.8	22.5	15.1	21.4	19.5	22.2	26.7
hsa-miR-1301	26.9	24.0	42.2	40.7	44.2	27.3	13.2	10.0	9.8	6.8	13.8	14.9	12.5	26.5	5.6	7.1	14.6	12.4	22.5	15.9	9.2	24.4	27.9	10.4	9.3	16.7	9.8	12.7	12.8	28.3	10.8	9.1	6.1	6.4	31.3	15.8	9.1	10.8	17.2	16.3
hsa-miR-451a	25.8	24.5	47.2	30.6	76.2	1234.7	256.4	57.3	1104.7	1316.6	1111.6	3428.2	1812.0	578.4	1775.3	694.5	495.2	1184.7	777.2	1482.0	6588.5	1894.2	1410.9	2022.1	413.2	1043.4	1314.1	793.9	1190.4	2358.9	869.6	660.4	3132.3	811.9	249.0	1044.4	294.2	788.7	748.6	507.1
hsa-miR-30c-1-3p	25.7	19.9	25.3	26.0	24.2	27.0	20.7	31.7	25.0	30.2	30.9	35.3	33.8	32.2	21.6	30.8	33.5	35.7	30.7	22.5	26.4	26.5	36.1	27.9	28.6	27.4	21.1	45.1	37.7	35.5	38.5	33.1	19.6	24.0	29.4	23.2	43.3	36.8	30.2	29.9
hsa-miR-574-5p	25.7	26.3	15.8	21.2	20.8	16.8	27.4	22.8	16.5	21.1	24.9	36.7	25.4	27.1	32.8	25.1	16.5	20.6	18.2	32.8	39.5	32.3	19.4	11.7	13.7	23.0	28.6	27.8	32.0	26.3	26.5	28.8	15.7	17.8	16.7	26.8	43.9	39.7	15.0	15.4
hsa-miR-628-5p	25.5	26.1	22.3	23.5	32.7	26.1	28.3	32.5	39.1	33.0	21.0	32.7	30.5	35.0	27.9	29.4	34.1	39.3	31.9	28.5	29.2	32.6	31.8	33.1	29.5	35.9	26.3	40.0	37.3	31.6	42.2	36.3	33.2	28.1	33.7	25.9	30.6	34.1	28.2	26.8
hsa-miR-106b-5p	23.5	26.0	20.7	28.4	34.3	34.7	25.3	30.3	35.8	47.7	38.4	50.2	55.3	34.4	53.9	38.3	38.2	37.1	38.6	39.6	80.8	41.5	39.8	51.7	50.1	42.8	64.0	41.3	46.6	39.9	47.6	39.0	79.1	36.6	35.2	30.0	39.8	42.7	32.2	40.6
hsa-miR-671-3p	22.7	19.8	27.4	26.5	34.5	31.4	20.7	33.6	23.5	23.2	24.7	37.5	38.4	38.1	28.0	29.0	28.7	32.1	16.3	32.9	27.5	35.5	32.2	33.4	26.5	27.7	22.8	37.7	32.4	33.6	36.3	41.5	17.3	20.6	22.5	29.9	34.7	41.7	32.5	30.0
hsa-miR-125b-1-3p	22.4	30.7	36.4	42.2	73.8	53.5	39.3	60.7	75.5	75.1	142.8	82.7	100.0	98.4	167.5	56.7	111.6	123.7	62.5	107.1	97.3	88.1	93.4	64.3	63.6	107.7	119.4	85.4	101.1	76.5	84.6	92.2	122.5	104.3	54.4	71.6	130.8	119.3	81.9	40.0
hsa-miR-424-5p	22.3	46.5	30.7	29.4	37.4	53.7	46.2	56.8	52.9	57.0	75.2	49.1	73.5	36.3	36.1	45.5	51.1	61.9	63.9	52.6	44.9	52.2	35.4	38.0	115.0	65.1	139.9	43.8	72.7	43.1	65.6	49.7	131.5	42.0	41.8	42.9	84.0	51.8	36.6	43.4
hsa-miR-4750	21.8	3.3	0.5	1.3	2.1	0.2	0.0	0.0	51.0	152.4	1.1	0.0	0.4	0.0	0.0	0.0	22.4	19.7	2.2	1.0	0.3	0.0	0.0	0.0	176.8	36.3	1.8	0.0	0.0	0.0	0.0	0.0	184.7	55.7	1.3	0.0	0.2	0.4	0.0	0.0
hsa-miR-223-3p	21.6	25.1	30.6	30.1	41.9	47.0	254.9	33.1	56.1	68.3	93.5	55.5	80.1	50.0	40.6	64.7	50.0	37.8	58.7	65.9	152.1	38.5	80.5	65.4	51.0	81.6	188.1	32.0	95.3	162.2	34.3	72.6	280.7	56.1	57.6	44.5	122.2	52.7	105.6	57.5
hsa-miR-887	21.6	33.5	28.9	33.2	47.3	41.5	32.6	48.4	40.0	39.9	50.9	49.9	74.1	48.2	51.6	35.1	45.1	50.1	51.9	60.2	62.8	48.7	50.6	50.3	51.2	37.2	49.8	41.1	51.6	54.6	52.5	43.5	31.3	36.8	45.6	39.9	66.3	49.4	50.5	33.8
hsa-miR-483-5p	21.5	16.7	16.0	18.0	9.1	11.2	13.2	10.6	2.7	6.6	6.5	8.1	6.1	9.0	2.4	12.1	7.4	9.9	6.9	6.8	8.6	9.6	4.9	11.6	7.6	5.5	3.3	9.3	12.6	7.9	9.1	6.9	2.4	5.4	12.7	11.2	10.8	14.0	9.0	14.8
hsa-miR-155-5p	21.0	15.5	23.8	37.9	53.9	23.6	24.2	22.9	53.7	71.1	65.0	57.6	89.0	66.2	98.0	60.2	42.7	33.9	39.5	44.0	105.8	28.6	99.0	53.4	41.7	57.0	133.5	36.5	41.1	51.8	47.0	69.9	250.9	35.0	20.4	27.7	43.8	32.1	47.4	35.8
hsa-miR-744-5p	20.6	23.4	19.6	23.9	32.6	25.5	31.5	33.1	22.1	31.6	28.2	41.9	38.6	46.7	51.7	36.1	23.7	27.0	28.3	32.6	43.5	35.5	39.1	33.7	30.6	35.4	41.9	48.0	50.5	65.0	51.9	44.8	30.6	21.7	30.0	22.6	61.4	48.8	47.9	34.6
hsa-miR-4662a-5p	20.1	11.3	18.6	32.5	45.4	14.5	8.4	12.0	16.5	6.0	5.8	10.3	13.1	18.0	7.8	9.1	7.9	15.4	11.9	19.2	15.8	11.9	12.9	11.7	11.9	7.8	6.8	15.1	9.8	30.7	9.1	8.9	7.0	14.9	17.9	16.3	9.5	11.3	15.1	16.5
hsa-miR-490-5p	20.1	20.5	9.4	11.6	18.2	10.6	14.3	8.4	9.6	9.3	9.2	11.3	7.0	4.1	6.1	5.9	7.8	9.9	7.8	9.3	6.6	9.5	4.3	10.2	18.0	6.9	17.2	11.7	10.4	13.2	6.5	6.0	5.2	8.0	17.6	10.0	13.2	8.8	5.9	9.4
hsa-miR-1299	19.9	9.9	1.2	8.0	117.0	12.3	79.9	2.8	103.1	6.0	15.3	12.5	0.6	0.3	3.6	4.4	0.0	91.0	74.3	10.1	0.3	6.8	58.6	2.7	174.2	3.3	20.0	16.0	8.7	1.5	11.4	6.6	0.3	76.0	95.5	9.8	0.6	12.2	36.7	0.5
hsa-miR-3960	19.9	19.9	30.0	20.4	27.6	25.4	40.6	18.9	8.3	13.3	18.3	26.3	29.2	21.9	31.1	71.9	13.9	21.2	17.8	44.0	40.6	46.3	17.4	18.3	7.2	10.0	6.9	41.1	36.8	41.3	33.9	67.6	8.5	11.9	45.1	82.9	21.2	30.9	17.7	24.0
hsa-miR-3135b	19.0	24.6	30.4	164.5	52.6	29.7	8.2	10.5	16.8	5.0	45.1	36.9	118.2	61.0	58.8	11.1	15.4	5.7	63.3	40.3	47.3	45.2	47.7	41.9	54.9	31.1	74.8	24.2	23.2	94.9	68.6	16.9	103.0	5.6	37.1	25.4	15.0	26.2	37.4	19.9
hsa-miR-499a-3p	19.0	5.0	12.9	16.8	13.5	16.9	20.7	17.6	17.4	16.9	23.4	15.7	14.0	14.8	5.7	14.3	19.2	37.4	24.7	9.3	9.3	10.5	29.0	17.9	23.2	15.3	22.8	17.5	14.2	7.4	19.7	15.0	5.0	30.4	18.6	11.3	13.8	17.0	30.0	10.7
hsa-miR-455-3p	18.7	18.4	13.0	12.8	12.3	16.6	11.7	10.5	11.7	11.5	14.7	15.3	14.2	9.1	10.0	9.6	13.5	11.1	14.3	16.3	17.4	15.3	9.6	7.0	17.8	10.6	24.5	14.9	13.7	19.0	14.5	11.8	17.6	12.7	20.0	16.3	19.0	20.5	18.0	9.2
hsa-miR-130b-3p	18.2	23.7	17.3	24.9	45.6	39.0	22.2	30.1	49.0	44.7	47.1	47.1	66.9	48.9	40.9	36.4	61.5	47.1	49.0	49.2	60.8	47.4	60.6	50.3	43.2	38.9	60.3	34.7	39.8	31.1	35.2	38.0	65.7	46.9	39.1	32.4	43.5	56.0	35.0	26.8
hsa-miR-194-5p	18.1	26.3	16.8	18.1	27.5	32.3	19.0	15.6	26.8	28.6	18.2	33.7	29.6	17.3	22.9	27.9	20.7	27.8	22.6	27.1	40.1	19.8	28.2	22.3	23.9	20.5	20.2	25.5	23.5	17.8	21.8	25.9	24.8	16.8	21.3	20.7	24.3	17.8	23.4	16.2
hsa-miR-2110	17.9	9.1	12.5	9.3	10.0	8.3	13.8	15.6	7.8	9.5	7.7	13.2	11.8	13.7	5.2	12.8	6.7	10.9	10.9	9.0	11.0	16.7	14.1	15.6	7.2	6.9	3.3	16.7	14.0	14.9	11.9	12.3	2.7	9.3	13.5	12.8	11.0	14.3	13.3	12.0
hsa-miR-193a-3p	17.6	17.6	21.1	12.4	12.4	14.0	32.8	18.3	10.2	30.2	17.5	19.6	19.1	5.5	13.3	6.6	17.9	9.0	10.9	13.4	59.1	19.7	7.7	4.4	44.5	30.4	30.8	31.7	33.6	12.8	11.2	8.8	45.5	5.9	10.4	6.0	39.3	22.8	10.1	6.1
hsa-miR-378f	17.3	20.0	30.4	26.1	26.9	26.0	10.6	10.5	12.0	14.5	14.5	6.1	7.4	5.2	2.9	3.6	15.9	18.8	20.3	18.1	4.2	7.5	7.0	11.3	16.5	20.7	20.2	10.3	9.4	7.3	10.7	6.6	11.3	14.5	26.9	18.5	7.1	5.8	8.5	11.1
hsa-miR-1296	16.7	29.4	17.5	20.5	26.3	22.8	19.4	17.5	17.3	26.8	26.6	26.4	36.4	19.5	16.5	20.8	23.7	22.7	26.7	19.5	23.3	25.6	29.3	21.7	31.2	27.7	50.3	33.9	31.4	25.5	28.5	23.0	31.2	15.5	30.7	18.0	34.7	29.3	23.3	23.5
hsa-miR-4770	16.5	15.6	25.8	31.7	32.5	26.8	30.7	23.9	22.3	21.7	31.8	28.0	25.7	24.7	51.3	22.1	20.7	21.8	25.9	41.3	31.0	28.3	21.1	21.1	27.3	18.2	42.4	28.5	25.6	17.6	24.0	23.3	23.9	27.5	37.4	35.4	25.5	33.5	30.0	17.9
hsa-miR-664-5p	15.8	16.1	12.3	10.8	11.4	10.5	11.2	12.2	8.4	12.7	12.4	13.1	11.4	14.8	8.5	18.6	11.4	20.3	12.3	13.3	12.4	15.8	8.9	18.4	8.7	13.4	9.1	12.2	16.2	17.4	15.2	15.4	10.3	10.6	13.8	14.2	10.6	17.6	11.8	14.8
hsa-miR-95	15.8	13.8	12.8	17.4	28.9	20.0	10.8	17.0	15.2	13.7	11.0	10.0	23.5	11.2	7.8	8.8	16.4	14.6	17.1	15.6	8.5	14.9	8.1	10.0	22.8	18.5	17.8	15.7	20.8	10.4	13.2	9.5	11.1	12.6	26.5	11.3	13.7	12.5	10.0	10.7
hsa-miR-136-5p	15.3	19.2	25.9	38.6	33.3	29.5	27.0	32.0	29.6	60.2	48.3	54.7	36.0	34.5	49.5	40.4	28.8	26.1	25.3	29.8	88.6	37.0	55.1	23.4	48.8	48.0	45.0	47.0	51.8	22.8	50.3	48.5	59.5	42.2	25.5	28.2	67.8	40.1	56.3	36.3
hsa-miR-4461	15.3	5.0	10.7	9.4	10.2	16.0	12.5	13.9	14.0	63.0	14.4	22.4	5.5	13.6	1.6	19.1	4.9	15.5	24.1	11.4	17.6	8.6	8.4	9.7	36.9	9.5	16.0	31.5	34.7	27.1	25.5	31.6	2.6	15.4	29.0	15.1	8.9	17.4	28.1	17.2
hsa-miR-214-5p	15.1	26.9	20.4	22.4	33.6	24.3	27.0	23.4	29.8	24.6	45.0	43.4	45.8	32.3	78.4	31.0	23.8	27.5	28.1	57.8	62.4	40.9	47.1	30.3	37.1	50.3	56.2	44.6	39.0	37.6	43.0	50.1	62.8	44.1	26.6	32.5	66.6	57.1	38.1	36.9
hsa-miR-3123	15.1	12.2	16.5	62.1	11.3	7.9	1.5	0.3	6.5	5.6	6.6	1.9	6.8	13.6	0.6	5.0	4.2	4.2	7.7	4.2	2.3	1.1	5.8	9.7	8.5	2.6	9.0	1.1	1.3	3.4	3.3	5.9	1.1	1.8	7.9	16.7	0.7	0.5	1.9	3.1
hsa-miR-450a-5p	15.1	28.4	53.8	42.0	49.4	74.1	15.1	23.4	34.9	23.4	41.6	40.2	32.0	41.9	17.6	29.4	37.2	36.2	51.3	54.2	28.2	38.2	27.8	31.8	38.2	50.9	43.4	42.0	32.8	25.3	29.6	28.2	36.2	23.4	40.5	43.2	26.9	31.9	25.6	28.3
hsa-miR-106b-3p	14.8	16.9	13.2	17.3	21.8	18.5	14.5	14.7	21.2	28.8	26.8	29.5	27.0	26.6	44.1	27.8	14.6	25.7	18.0	25.9	51.4	27.2	28.2	35.0	23.2	28.7	34.7	21.0	26.9	43.8	27.8	32.6	50.4	18.8	14.7	16.1	26.3	25.2	20.4	21.5
hsa-miR-335-5p	14.7	20.5	13.8	32.5	17.3	16.1	14.5	14.4	18.6	17.3	44.9	26.8	29.6	22.1	45.3	13.6	55.0	16.3	37.2	17.2	137.4	18.9	42.8	25.4	17.6	12.8	53.3	30.2	40.2	19.3	19.5	17.2	264.0	13.4	9.6	16.5	26.8	28.6	68.5	26.9
hsa-miR-32-5p	14.4	12.5	19.8	24.4	30.3	29.1	17.1	24.5	22.1	29.2	18.0	30.0	34.2	18.9	23.3	21.1	28.6	19.3	30.9	24.7	38.4	23.0	32.5	31.0	25.8	20.1	28.2	30.7	27.4	14.1	24.4	21.1	30.0	20.4	30.6	22.4	26.3	24.6	29.1	19.4
hsa-miR-99b-3p	13.9	17.5	10.7	16.2	21.2	16.6	18.1	20.4	14.0	14.3	19.5	18.9	23.9	22.9	23.5	19.7	16.9	17.2	14.4	18.4	28.4	18.2	15.9	18.3	21.5	27.1	25.8	17.9	20.9	20.8	18.1	22.3	20.2	13.4	16.6	16.6	25.3	24.0	18.7	19.8
hsa-miR-598	13.6	9.9	15.2	17.9	10.6	16.6	21.8	6.4	23.2	11.1	26.1	16.7	19.7	12.8	10.6	28.7	11.0	23.0	18.1	9.6	18.5	17.1	17.3	16.2	24.5	13.8	31.8	16.0	28.5	21.8	20.1	28.4	24.6	10.6	12.9	9.7	17.1	17.2	17.6	15.7
hsa-let-7i-3p	13.4	11.6	14.8	15.9	19.3	14.8	13.4	15.1	16.2	12.3	23.5	19.6	24.5	13.6	16.1	19.9	15.8	10.4	12.0	16.3	23.8	25.3	13.7	17.3	13.3	19.5	19.7	38.9	20.9	17.2	14.3	14.5	14.4	59.5	13.7	18.3	20.8	21.1	15.3	15.0
hsa-miR-651	13.0	14.1	17.0	18.7	23.7	17.8	18.4	16.1	17.7	19.3	12.7	18.6	15.1	11.5	6.4	15.9	37.4	17.8	17.5	14.6	15.7	11.7	21.8	15.9	18.0	14.6	15.1	23.0	13.9	10.7	17.2	15.1	25.1	14.5	20.4	15.7	23.2	11.1	21.4	16.4
hsa-miR-548k	12.5	11.9	8.3	13.6	13.8	12.0	11.2	12.2	11.3	14.3	13.5	15.9	16.9	18.6	11.1	13.2	18.3	14.5	9.4	11.7	16.4	15.0	18.4	12.8	11.3	15.4	14.4	15.7	12.1	12.9	16.0	12.0	17.3	9.0	10.2	10.0	16.6	14.3	14.2	10.7
hsa-miR-889	12.5	16.8	10.4	19.6	18.4	11.3	10.8	7.5	23.5	17.7	26.3	19.3	9.9	7.3	16.6	18.5	13.2	13.4	9.3	11.9	33.4	11.9	12.2	10.6	17.1	16.1	25.6	9.9	16.1	7.5	7.1	16.6	29.1	14.9	8.6	12.9	22.9	9.5	14.1	12.9
hsa-let-7a-3p	12.2	17.8	68.2	79.7	74.1	74.5	54.4	58.8	60.3	79.9	77.7	75.8	74.8	59.0	59.4	60.6	79.6	62.6	74.9	68.7	78.0	61.2	56.8	52.6	90.7	79.0	106.0	66.1	64.4	26.5	66.0	59.8	81.2	73.5	76.1	60.9	77.7	63.2	57.9	50.6
hsa-miR-212-5p	12.1	9.5	8.4	7.4	21.3	14.4	3.2	2.3	2.7	2.8	7.4	2.2	4.2	16.2	5.2	5.5	3.6	4.3	6.8	8.5	5.1	7.1	7.1	6.7	0.9	9.8	6.3	2.9	1.8	9.9	3.8	4.3	6.8	4.2	8.6	6.0	5.3	3.6	6.5	2.9
hsa-miR-1468	11.4	10.9	15.7	15.0	16.0	18.8	11.7	22.8	17.3	9.1	14.4	18.2	13.4	13.1	19.9	19.9	12.6	15.7	16.4	18.7	19.0	25.3	37.3	22.5	23.2	15.9	13.3	36.0	14.7	30.7	20.3	26.1	13.7	18.8	30.0	17.6	23.9	28.6	37.8	21.6
hsa-miR-195-3p	11.4	14.2	14.1	13.7	16.6	18.5	16.8	19.8	27.2	26.2	37.1	23.4	28.5	38.6	39.1	30.5	22.7	34.5	25.0	34.1	32.6	24.7	38.4	25.7	27.6	43.4	35.8	22.2	31.6	36.6	33.0	45.8	26.6	26.8	23.8	22.9	39.4	31.6	36.7	31.9
hsa-miR-148b-5p	11.3	9.8	9.8	11.4	16.1	12.4	11.4	13.0	14.1	12.3	14.3	17.2	16.4	12.5	16.3	18.6	14.0	13.1	9.3	8.4	13.3	16.8	8.1	15.2	16.5	15.3	19.9	15.8	18.4	14.7	21.5	17.3	14.9	14.5	12.0	10.1	17.3	18.4	7.2	13.0
hsa-miR-3909	11.3	15.4	13.2	13.9	14.4	12.2	11.0	14.5	11.1	10.3	9.9	20.3	19.5	19.7	9.8	13.8	16.2	17.3	12.3	10.6	16.2	16.8	18.6	19.7	8.0	17.1	7.2	20.8	20.2	15.3	14.6	12.8	8.4	11.6	12.0	11.4	14.5	16.0	12.5	16.7
hsa-miR-590-3p	11.3	9.0	16.1	19.7	24.5	17.8	15.1	12.2	11.4	23.6	17.9	23.2	19.5	14.7	12.7	14.7	20.9	15.7	17.9	15.9	18.1	22.8	17.4	7.4	23.9	17.0	22.3	26.3	20.0	8.6	20.7	14.8	17.2	13.7	20.1	17.6	16.5	18.2	18.1	8.3
hsa-miR-17-3p	11.1	10.9	10.1	11.3	13.5	11.1	11.7	10.9	11.3	10.9	10.0	12.7	13.8	6.8	10.3	9.9	9.9	9.3	10.2	9.9	16.5	9.8	10.2	14.7	11.3	14.9	6.7	11.7	13.0	9.1	15.8	12.8	14.9	7.4	12.0	8.7	16.0	9.5	9.7	12.2
hsa-miR-24-2-5p	11.1	8.9	9.8	8.2	12.7	11.9	14.7	14.4	12.8	13.9	15.3	15.6	15.3	15.1	9.8	20.1	12.4	23.3	13.2	13.8	12.1	17.7	12.7	14.8	10.2	12.4	15.1	12.8	14.0	8.3	12.8	15.3	11.4	18.5	9.2	12.8	15.2	16.4	9.2	10.8
hsa-miR-493-5p	11.1	22.1	20.1	25.1	15.1	12.5	14.3	7.0	11.6	26.2	29.5	22.7	25.0	22.9	16.9	21.5	19.0	16.6	10.7	22.8	25.1	19.5	22.7	14.3	17.4	17.6	30.2	12.9	23.9	21.1	11.6	25.1	16.9	21.1	10.5	17.9	24.0	14.8	20.3	13.9
hsa-miR-302b-3p	10.8	17.6	26.4	21.9	11.7	36.4	22.7	33.6	14.0	10.7	10.0	24.2	28.3	4.9	3.9	14.1	15.0	11.5	21.9	13.8	16.5	17.1	27.4	18.3	20.8	8.9	7.9	33.2	25.1	6.2	26.4	21.3	7.5	5.7	52.8	13.6	18.7	15.3	28.2	22.1
hsa-miR-628-3p	10.8	10.7	11.4	12.0	11.4	11.5	6.0	9.5	9.2	7.2	8.1	9.7	11.4	15.0	6.0	7.1	12.0	7.9	9.9	8.1	12.7	13.4	11.9	8.6	11.7	10.2	8.7	13.3	10.8	11.9	10.4	9.1	6.2	5.7	11.8	8.7	8.5	10.4	8.8	6.0
hsa-miR-483-3p	10.5	11.3	10.3	7.1	6.3	7.6	6.9	10.1	3.8	3.0	9.9	12.5	9.4	6.6	4.0	6.9	2.0	5.1	4.2	4.0	9.9	10.8	9.5	14.0	5.4	4.9	7.9	10.5	9.6	13.3	16.4	12.4	2.4	3.8	5.9	5.6	16.1	9.3	11.1	10.0
hsa-miR-29b-2-5p	10.2	8.2	8.3	8.8	7.6	6.4	14.3	8.1	5.6	8.7	6.5	8.3	11.4	7.4	4.3	9.9	7.9	8.1	6.5	8.1	7.3	11.0	4.6	9.6	8.5	6.4	9.0	10.1	8.4	8.3	5.8	7.2	4.3	5.7	8.1	8.4	8.2	10.6	4.0	7.6
hsa-miR-302a-3p	10.2	10.6	13.0	10.7	5.9	17.3	13.6	18.1	8.6	4.0	4.9	8.8	14.5	3.0	3.5	7.1	9.9	5.5	10.1	7.4	10.9	8.9	12.6	10.9	12.4	7.0	6.3	18.8	9.9	7.1	13.6	9.8	3.3	4.9	26.4	6.6	11.7	8.2	13.3	10.2
hsa-miR-1180	9.7	13.6	10.6	9.9	9.7	12.5	20.7	15.8	3.6	7.7	7.8	21.7	21.7	21.3	16.0	29.1	7.7	13.1	8.9	14.1	17.9	20.9	22.5	29.1	5.4	6.2	3.8	22.1	10.9	24.4	24.0	30.2	3.0	5.6	12.0	14.4	24.9	26.3	23.1	27.0
hsa-miR-505-3p	9.7	6.9	6.2	6.3	9.0	7.5	7.1	6.7	7.5	6.2	7.4	8.5	11.2	4.1	8.7	5.3	7.0	7.3	7.1	9.3	11.4	7.5	5.9	5.2	11.1	10.2	18.4	8.4	7.3	7.6	5.7	6.0	19.2	4.9	6.9	3.9	8.0	5.8	6.1	5.0
hsa-miR-125a-3p	9.6	10.5	10.7	9.3	8.5	10.4	12.5	10.9	5.9	6.4	7.2	8.6	8.3	8.5	7.2	11.8	7.5	8.7	6.5	8.5	8.0	9.6	8.5	11.7	3.0	8.6	4.5	9.9	10.9	9.1	8.2	10.3	6.8	10.3	8.8	8.5	12.3	10.5	11.4	12.3
hsa-miR-302d-3p	9.4	17.0	17.9	12.5	7.9	18.8	19.9	24.3	8.0	7.0	7.7	12.5	18.0	6.3	4.2	12.1	12.4	7.8	14.2	8.3	15.5	10.8	21.0	14.5	19.3	8.9	6.9	18.3	14.8	8.9	21.4	15.5	4.6	6.4	35.1	12.3	15.3	11.7	16.3	20.2
hsa-miR-326	9.4	5.2	5.4	3.8	7.3	6.0	7.1	9.1	7.7	8.5	10.7	10.3	11.6	4.6	13.1	4.5	2.7	7.2	5.9	6.1	16.1	8.6	7.1	4.0	9.8	8.9	14.7	6.6	11.2	10.5	8.1	8.1	23.0	3.6	5.0	4.4	10.4	7.8	6.3	5.7
hsa-miR-3162-3p	9.3	2.7	1.2	0.4	10.4	9.8	4.3	8.1	11.1	1.0	10.9	34.3	4.8	5.7	30.2	6.7	11.2	14.5	4.2	13.9	25.3	16.4	19.8	7.8	12.4	1.8	8.0	26.6	10.9	6.2	10.3	5.9	18.7	8.7	3.3	11.3	16.5	9.0	32.6	6.1
hsa-let-7e-3p	9.0	9.0	14.0	12.0	13.9	12.9	10.6	9.2	14.4	12.5	20.3	16.0	16.4	16.9	10.8	12.3	16.2	17.3	15.1	13.7	14.8	16.4	14.3	12.1	11.5	15.6	16.1	17.3	17.1	11.6	15.3	16.1	15.4	14.9	18.7	14.1	19.8	16.4	13.4	14.6
hsa-miR-133b	9.0	17.9	8.6	8.5	9.3	8.5	32.2	30.3	10.2	10.5	8.5	35.2	27.4	10.6	5.6	18.1	5.7	12.3	6.0	5.6	16.6	24.4	13.7	12.0	7.2	6.6	10.6	33.4	25.2	11.5	16.2	15.2	3.7	4.6	7.4	6.1	32.1	22.1	9.9	15.8
hsa-miR-720	9.0	12.3	12.4	14.9	20.5	12.7	14.5	15.0	5.9	5.8	7.6	16.8	11.0	9.6	6.7	13.5	8.9	10.0	7.4	10.6	9.9	13.1	10.5	15.1	12.2	7.5	8.3	10.2	12.3	9.0	12.8	15.6	2.3	7.2	11.0	11.3	10.1	14.1	10.2	13.2
hsa-miR-4532	8.8	5.8	19.6	22.3	26.2	62.3	22.0	41.0	21.2	23.2	28.7	42.4	90.6	67.5	292.4	77.2	11.4	16.9	32.1	23.1	67.0	47.7	19.1	28.7	37.1	26.5	25.5	38.7	63.1	101.4	119.3	39.8	58.7	14.9	35.9	12.3	35.0	42.4	31.5	21.4
hsa-miR-2355-5p	8.5	8.4	6.8	5.8	9.3	8.0	9.3	7.5	11.9	11.7	9.0	11.5	9.2	12.8	7.9	13.6	11.6	9.1	10.1	7.8	8.0	15.5	12.9	9.2	7.8	9.7	8.9	15.3	10.3	9.6	8.4	11.4	7.5	11.3	9.3	7.0	10.1	15.1	11.0	6.4
hsa-miR-23a-5p	8.5	12.2	11.7	10.4	9.8	8.2	17.9	9.5	8.1	11.5	5.5	8.2	7.0	10.9	5.0	15.2	5.5	8.4	5.9	10.4	4.9	13.4	7.4	9.6	2.6	7.6	1.3	7.0	9.7	17.1	3.2	10.3	2.7	19.6	9.8	12.7	9.6	12.7	10.8	10.9
hsa-miR-487b	8.3	11.1	7.8	9.5	8.9	7.3	5.0	5.2	10.7	14.1	9.1	16.7	14.7	9.1	9.4	11.7	9.5	10.8	8.1	6.5	22.6	11.6	15.7	9.2	9.3	8.0	9.5	10.8	13.7	10.1	9.0	11.0	13.2	7.7	6.1	6.6	17.4	7.8	13.2	10.3
hsa-miR-4774-5p	8.0	2.5	1.2	1.0	0.9	0.3	0.0	0.0	6.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	4.1	5.7	0.8	1.0	0.0	0.0	0.0	0.0	5.2	7.6	0.2	0.0	0.0	0.0	0.0	0.0	5.5	9.0	1.4	0.6	0.0	0.0	0.0	0.0
hsa-miR-542-3p	8.0	27.3	30.0	28.8	41.1	40.9	17.3	28.4	26.5	44.1	53.3	53.5	99.6	46.0	116.2	78.5	36.7	31.7	44.6	37.6	120.9	67.8	60.0	82.0	48.0	32.1	67.3	42.3	35.4	28.4	68.6	84.2	29.2	23.0	38.6	34.8	40.2	39.1	26.4	40.8
hsa-miR-1287	7.9	10.8	9.1	11.8	10.5	9.8	13.2	5.0	6.3	15.3	10.3	14.9	13.4	8.2	10.3	13.1	8.1	4.9	12.8	8.1	14.0	11.6	13.4	12.8	11.3	7.4	10.6	19.3	14.2	12.4	22.8	15.8	3.7	6.9	14.3	10.4	17.9	11.3	12.4	13.4
hsa-miR-1260b	7.6	10.9	9.0	10.4	22.3	11.8	21.4	17.8	18.2	12.7	10.0	26.1	17.1	14.7	22.1	18.0	12.4	15.1	13.0	17.7	19.8	16.5	12.3	14.4	18.0	14.5	16.1	15.5	15.6	10.7	19.3	22.4	14.8	13.2	8.4	12.7	13.6	21.8	11.7	11.6
hsa-miR-212-3p	7.6	7.8	3.3	3.6	14.3	7.0	9.7	8.3	8.4	6.6	6.8	7.6	11.0	12.5	7.3	12.5	3.7	2.7	7.0	7.7	11.7	7.2	8.0	10.6	8.7	13.3	12.6	4.4	6.7	8.6	9.5	8.6	12.5	4.1	5.7	5.4	13.0	4.8	4.6	5.8
hsa-miR-3591-5p	7.6	8.0	6.6	8.8	10.8	7.7	9.9	6.4	5.9	10.9	10.0	11.8	6.6	6.5	3.5	7.1	16.4	6.9	7.2	2.9	2.8	7.4	14.1	5.1	4.3	8.2	4.5	20.5	11.5	7.1	14.8	5.9	4.4	8.0	12.1	8.3	7.3	15.3	13.7	5.8
hsa-miR-19a-3p	7.4	10.4	17.9	25.2	31.5	24.7	24.0	22.0	23.5	30.6	29.0	26.7	36.8	17.7	30.1	21.9	27.0	20.5	24.9	24.5	44.2	24.7	28.3	30.3	38.2	31.0	43.1	34.3	27.0	14.4	29.6	28.2	56.9	16.3	25.2	17.1	32.1	26.5	28.5	24.5
hsa-miR-338-5p	7.3	9.5	13.1	11.5	4.4	3.7	10.4	4.4	3.2	4.8	3.1	6.7	5.1	6.3	2.6	5.7	4.1	2.2	7.4	2.4	5.1	6.9	8.0	0.9	4.6	3.2	2.6	6.7	9.6	6.7	6.2	6.8	2.0	1.8	6.0	5.9	7.1	8.4	11.6	5.0
hsa-miR-3168	7.0	187.1	5.0	12.5	4.1	2.4	4.5	3.1	6.0	391.2	2.3	9.2	12.9	69.8	5.6	5.0	16.1	3.3	4.5	2.1	3.9	9.7	12.3	9.7	7.8	361.9	110.0	4.0	6.2	10.6	6.5	3.7	6.5	4.6	2.5	5.0	3.6	23.0	8.0	4.1
hsa-miR-324-5p	7.0	7.0	7.0	10.5	13.2	10.0	11.4	9.2	8.7	9.7	14.5	13.5	24.4	14.8	17.0	10.4	8.1	10.9	8.2	10.7	17.9	11.7	10.3	12.9	25.8	16.6	30.6	9.4	16.4	17.0	11.9	11.4	23.7	7.5	10.4	7.9	15.2	14.2	9.3	7.1
hsa-miR-4286	6.6	5.1	4.5	6.5	8.8	5.6	9.3	9.5	4.8	6.4	12.4	14.6	13.2	7.9	22.7	7.9	4.9	7.3	4.3	4.4	15.8	7.8	5.8	4.4	3.7	5.0	17.4	8.9	9.8	10.4	6.7	9.8	11.9	6.5	4.3	5.8	8.1	9.9	6.6	3.6
hsa-miR-641	6.6	4.3	2.1	4.5	5.2	2.8	3.5	5.3	4.2	3.6	2.5	5.1	3.7	7.1	3.8	6.8	5.2	2.4	3.3	3.8	4.5	3.8	4.5	3.4	2.0	7.1	2.7	6.5	3.5	4.0	6.9	7.4	5.3	3.1	3.2	4.7	5.0	3.1	4.5	3.6
hsa-miR-1303	6.5	1.6	2.4	3.5	4.4	1.7	4.8	1.7	0.3	0.4	2.8	2.6	1.8	1.1	1.0	1.1	3.5	2.1	1.9	1.2	1.4	2.0	1.5	0.8	0.9	0.9	2.1	4.2	1.3	1.1	3.7	0.7	1.7	1.3	5.4	2.7	4.7	3.0	1.9	1.3
hsa-miR-134	6.5	7.6	8.7	10.8	11.3	10.7	12.3	9.1	7.7	10.3	27.1	16.1	13.8	12.5	35.2	9.8	6.4	12.0	6.9	17.7	25.5	14.7	17.3	8.6	13.0	12.8	33.2	11.3	18.2	22.8	15.2	16.6	24.3	18.6	10.6	14.6	20.7	18.0	16.4	14.6
hsa-miR-193b-5p	6.5	7.6	8.7	5.3	4.2	6.4	8.2	6.1	2.3	3.8	5.5	6.3	5.0	4.7	7.7	5.5	2.4	1.6	4.0	3.8	7.5	6.3	5.0	4.6	3.0	6.4	2.8	8.9	7.9	11.6	10.4	6.2	4.0	3.8	7.8	5.7	7.6	7.5	4.6	7.5
hsa-miR-424-3p	6.5	13.4	11.5	9.2	9.6	10.9	10.6	10.6	9.0	11.7	8.6	11.3	11.0	10.4	5.8	14.1	10.0	13.0	8.2	6.9	8.2	10.2	9.9	11.2	17.1	9.8	7.9	7.9	16.1	9.5	13.9	15.9	6.4	10.6	8.8	14.1	14.9	13.9	10.1	16.5
hsa-miR-432-5p	6.5	8.0	5.8	8.5	7.0	6.3	8.0	6.2	9.2	7.4	18.6	15.6	10.3	10.6	17.0	11.8	7.7	9.6	5.7	9.1	28.4	10.5	13.4	7.8	8.0	11.7	16.7	5.8	12.3	12.0	7.3	13.2	14.1	10.6	4.4	6.0	12.8	8.9	9.1	6.4
hsa-miR-376c	6.2	12.6	9.5	12.5	10.4	9.2	8.9	8.4	7.1	12.1	14.5	15.6	10.8	6.9	13.4	9.1	8.9	7.8	7.4	8.6	19.9	14.1	13.2	6.9	14.5	15.3	21.9	12.0	19.9	9.8	14.0	14.2	20.4	14.1	9.1	8.4	16.5	15.1	13.7	13.8
hsa-miR-379-5p	6.2	14.6	7.2	16.9	9.1	12.0	9.5	3.7	6.6	13.7	15.6	10.6	7.5	16.4	13.1	10.5	10.3	5.8	7.7	12.6	14.4	11.0	19.0	6.9	12.8	4.4	14.1	5.9	12.3	13.0	11.6	16.8	8.4	13.9	8.8	15.8	11.8	9.2	13.9	17.2
hsa-miR-4510	6.2	2.8	2.2	2.4	2.0	2.4	0.0	0.0	7.2	5.8	3.4	0.0	0.0	0.0	0.2	0.0	4.3	7.5	3.0	4.4	0.0	0.3	0.2	0.0	4.1	5.0	0.6	0.0	0.0	0.3	0.0	0.0	7.2	7.0	3.7	3.1	0.5	0.4	0.0	0.4
hsa-miR-4677-3p	6.2	5.3	5.8	5.8	8.7	5.8	5.8	4.2	7.2	8.7	5.1	3.9	5.0	4.9	7.3	7.3	9.8	6.4	6.5	10.1	6.5	5.6	9.0	10.9	6.5	9.0	9.1	5.7	6.1	7.2	6.5	8.1	10.2	6.9	7.1	7.6	5.4	7.6	10.1	7.7
hsa-miR-548o-3p	6.2	5.4	4.8	4.3	6.3	4.4	5.0	6.2	4.8	4.8	4.6	5.4	5.5	4.6	3.2	4.8	6.7	6.9	4.4	4.4	5.5	4.4	4.3	6.3	3.5	6.6	5.5	6.4	5.0	7.3	5.2	5.2	7.2	5.1	6.4	3.6	6.9	4.8	4.0	4.9
hsa-miR-4454	5.9	14.8	18.4	12.1	13.1	2.6	1.9	4.4	3.5	3.8	8.8	18.4	46.1	13.1	18.5	13.0	3.7	1.9	2.5	6.1	53.3	27.1	29.4	25.7	2.0	1.7	97.3	13.3	4.3	9.2	26.3	19.9	8.1	7.2	6.5	8.7	8.4	10.5	6.3	14.1
hsa-miR-548e	5.9	5.6	5.2	6.7	6.7	5.3	3.0	5.0	5.3	1.4	4.5	6.5	3.9	6.8	2.6	2.3	7.0	4.6	3.8	3.3	6.3	4.8	7.5	5.0	3.9	5.0	2.3	10.2	5.0	5.0	4.5	2.2	7.0	3.9	4.9	2.7	4.2	6.3	5.5	5.9
hsa-miR-1185-5p	5.7	9.1	5.2	9.1	5.7	5.4	4.5	6.1	4.8	5.8	5.2	7.8	3.3	5.7	3.8	8.7	4.1	4.9	3.1	6.0	8.6	7.4	4.1	5.5	4.6	6.5	4.3	4.6	6.7	3.4	3.6	6.3	3.3	7.4	4.0	8.2	6.4	7.1	6.2	9.7
hsa-miR-337-3p	5.7	5.4	2.7	5.1	4.3	3.3	4.1	3.3	4.1	6.4	4.6	7.1	3.9	2.8	2.6	3.6	5.6	3.7	2.3	2.8	9.2	4.1	4.3	2.3	8.9	4.8	9.4	4.0	10.0	3.1	3.3	2.6	10.8	4.6	2.7	2.7	9.1	4.6	3.5	3.4
hsa-miR-5100	5.7	9.7	8.7	5.9	9.2	0.9	9.1	8.0	2.1	1.4	3.1	6.0	13.1	2.2	4.5	4.0	1.9	1.0	0.6	2.0	15.5	6.2	8.0	5.0	4.3	44.6	1.6	2.8	2.0	2.9	4.6	3.7	2.0	1.3	3.8	3.6	3.2	4.3	2.2	3.0
hsa-miR-548aq-3p	5.7	0.4	0.8	3.1	4.4	5.3	0.0	1.2	0.6	1.4	1.7	3.3	0.4	1.6	0.6	1.5	1.5	2.2	0.7	0.7	1.7	1.4	1.1	0.7	0.4	2.0	1.1	4.8	2.0	1.3	1.1	0.7	2.1	0.7	1.0	0.8	3.6	2.3	1.1	0.7
hsa-miR-302a-5p	5.6	7.0	4.0	3.7	2.5	7.0	5.0	7.0	2.6	2.6	3.7	6.1	4.2	3.2	3.9	5.3	5.6	2.2	6.0	4.5	4.7	3.0	7.5	5.9	8.2	2.1	4.1	12.5	7.7	4.6	9.6	5.1	1.7	3.3	12.1	2.0	6.7	4.5	7.2	7.1
hsa-miR-378h	5.6	6.4	4.3	2.8	1.7	2.1	9.3	8.6	4.1	5.0	1.1	4.0	3.7	2.8	1.5	1.9	4.9	7.9	2.2	1.6	4.0	8.6	3.3	6.2	4.6	8.0	1.7	4.8	7.8	3.5	4.9	2.7	3.7	3.9	2.2	3.0	4.8	6.6	4.5	8.8
hsa-miR-153	5.4	4.4	8.4	10.5	22.0	14.2	13.6	12.3	14.6	18.1	28.8	13.9	15.4	11.2	28.5	14.4	22.8	10.2	10.6	29.2	15.7	14.1	15.6	12.2	23.0	18.6	35.3	17.4	19.4	5.4	14.9	21.7	25.1	31.9	10.4	16.6	19.4	23.6	17.8	12.2
hsa-miR-32-3p	5.4	3.6	6.5	6.7	5.4	5.5	5.8	5.8	2.4	3.4	3.9	4.0	5.7	6.1	1.6	3.4	3.7	3.7	4.8	4.7	4.7	4.8	3.6	5.1	3.3	2.1	2.4	5.5	4.3	4.3	4.2	2.2	2.3	3.3	3.3	3.4	4.6	4.1	4.4	6.5
hsa-miR-330-5p	5.4	4.1	8.1	8.4	9.3	7.1	7.6	7.5	15.9	9.5	12.8	11.8	14.3	13.7	10.5	10.9	15.3	10.8	9.4	12.5	12.0	11.7	13.6	9.4	9.1	10.8	12.4	9.5	9.5	7.6	13.1	10.1	14.9	9.3	7.7	10.5	10.8	11.7	9.4	6.8
hsa-miR-5684	5.4	25.3	24.5	22.5	18.9	6.8	1.7	2.3	9.5	7.0	13.6	16.1	29.8	11.0	43.6	15.7	6.8	3.7	13.0	8.3	64.6	30.8	22.3	40.1	4.8	14.3	114.2	6.2	5.4	37.4	13.2	32.1	22.1	12.9	4.0	10.5	2.8	5.5	7.8	11.2
hsa-miR-378i	5.3	4.1	5.1	4.3	3.5	4.9	2.4	3.4	3.0	3.6	2.1	3.8	1.7	2.4	0.4	0.7	3.2	7.2	2.3	2.8	1.7	2.0	1.4	2.7	5.4	5.9	2.2	3.3	2.1	1.4	2.5	1.0	4.0	4.4	5.1	2.1	3.6	2.7	1.7	4.0
hsa-miR-130b-5p	5.1	5.3	4.6	9.7	10.9	10.3	3.9	6.2	11.7	13.1	8.1	10.7	18.4	26.0	10.9	10.0	17.3	13.1	9.9	12.1	9.9	11.0	25.4	12.2	15.8	21.4	10.2	8.4	10.5	15.7	13.7	11.0	11.1	8.5	6.7	5.8	8.3	9.9	10.5	10.4
hsa-miR-20b-5p	5.1	6.7	3.8	2.8	4.0	6.8	6.5	5.2	3.6	4.2	2.7	7.8	7.0	2.7	3.9	6.9	3.9	7.0	4.7	10.7	12.8	7.7	8.5	13.7	4.8	3.6	2.4	2.8	5.4	7.1	3.4	7.4	5.8	4.2	7.3	11.1	2.2	4.9	5.0	6.5
hsa-miR-374b-3p	5.1	4.8	13.0	15.4	14.1	13.4	14.0	10.6	9.5	14.7	15.9	12.1	12.9	14.8	12.7	10.9	17.3	13.4	14.5	12.4	12.8	15.6	13.5	10.2	13.2	11.3	11.1	17.8	13.2	12.1	13.7	9.9	13.5	11.4	12.3	9.9	12.6	13.7	12.2	10.8
hsa-miR-376a-3p	5.1	9.5	7.8	10.3	6.8	6.9	3.6	5.1	9.7	10.6	8.3	10.4	8.5	6.8	9.6	6.2	4.0	3.6	4.1	5.4	12.7	5.7	9.9	3.6	14.1	7.3	13.0	9.4	11.4	7.1	8.3	6.5	9.1	8.3	5.6	6.8	12.0	6.6	10.3	8.8
hsa-miR-1285-3p	4.9	9.4	10.4	8.9	10.1	7.8	9.7	9.8	6.0	14.5	9.5	16.3	19.5	11.0	17.5	8.7	9.9	4.0	7.8	8.9	24.7	13.8	12.0	10.9	9.3	7.1	35.3	11.1	10.1	8.6	10.6	10.5	8.4	4.4	6.5	5.7	9.2	10.0	5.6	6.6
hsa-miR-146b-3p	4.9	2.2	4.1	11.0	22.7	4.3	6.5	7.8	7.5	2.8	23.2	11.0	20.6	18.8	15.2	7.3	9.2	8.7	6.7	5.9	18.1	6.3	25.3	5.7	8.9	6.5	27.3	5.4	15.1	8.2	15.7	16.1	94.8	13.9	3.1	4.7	54.7	15.7	14.1	2.0
hsa-miR-3200-3p	4.9	5.3	5.2	7.1	6.1	5.8	6.5	6.9	5.9	4.2	5.8	8.5	7.9	6.5	2.3	6.6	5.7	4.3	6.9	5.0	6.9	8.0	7.0	5.1	4.8	1.8	3.7	6.7	6.7	3.5	4.1	5.5	2.4	3.1	5.8	6.3	6.0	7.8	6.2	5.4
hsa-miR-675-5p	4.9	5.7	5.8	6.5	5.3	2.7	9.7	6.2	0.3	1.8	1.0	2.5	2.9	2.8	0.5	5.8	1.1	1.0	1.7	1.4	3.2	5.0	2.5	4.0	0.7	0.7	0.0	1.3	6.5	2.2	2.1	3.9	0.0	1.6	3.1	3.5	4.2	4.5	0.6	6.8
hsa-miR-744-3p	4.9	2.9	3.4	4.0	4.6	4.4	3.2	3.9	2.6	4.2	2.9	3.2	4.0	3.3	2.5	3.6	5.1	3.9	4.8	3.8	3.5	3.9	3.5	3.4	4.1	3.0	3.4	5.8	3.8	4.6	5.0	3.4	3.0	3.4	5.2	4.1	4.8	3.6	3.2	4.8
hsa-miR-337-5p	4.8	9.6	5.6	6.6	3.4	3.4	5.0	4.8	1.8	5.6	4.8	7.5	3.1	2.7	3.4	6.3	1.9	3.1	1.8	5.1	7.8	5.1	2.0	3.0	2.0	1.2	3.3	3.9	6.1	3.6	2.4	4.8	2.6	3.1	3.0	6.7	6.0	4.0	3.5	5.9
hsa-miR-548f	4.8	5.0	9.2	9.4	2.9	4.5	6.9	3.9	5.1	13.3	6.3	10.3	6.6	11.0	2.3	8.9	10.1	6.7	10.6	3.5	6.5	8.4	12.0	4.3	2.6	11.9	2.8	13.1	17.0	8.1	16.8	12.4	7.0	2.9	5.7	8.7	9.4	8.9	13.4	5.7
hsa-let-7f-2-3p	4.6	6.6	13.8	16.1	15.9	17.5	14.9	14.5	14.4	17.9	16.6	19.2	16.0	15.6	16.4	15.8	17.1	13.7	15.9	17.9	18.5	14.9	14.1	14.8	21.0	21.5	20.0	18.3	21.6	9.1	17.2	13.5	21.5	14.9	17.1	12.7	20.2	16.8	17.5	14.4
hsa-miR-1226-3p	4.6	2.8	6.2	4.4	3.8	4.8	0.9	2.2	1.8	1.0	2.0	3.5	4.6	7.4	1.8	2.7	3.2	2.5	4.0	4.2	3.0	5.1	3.2	2.7	2.6	3.4	3.2	2.2	2.0	2.5	2.0	2.1	2.0	1.3	4.1	1.8	2.6	3.7	1.8	1.8
hsa-miR-142-3p	4.6	2.3	12.5	16.0	16.0	21.2	59.0	12.3	15.3	17.9	40.1	34.3	30.0	9.5	17.5	18.3	17.0	11.4	21.2	29.8	69.7	20.6	25.8	27.2	20.6	22.0	71.5	15.6	30.0	12.3	20.3	27.6	152.3	13.9	15.9	13.5	39.7	21.9	21.5	14.7
hsa-miR-24-1-5p	4.6	3.5	4.6	5.2	6.1	5.8	8.2	8.0	3.6	4.4	3.4	6.5	5.3	4.1	1.9	6.2	3.4	4.0	4.2	3.4	4.5	6.5	3.9	4.8	3.7	2.6	5.5	8.8	5.9	2.5	4.4	4.1	1.7	3.3	6.5	6.4	6.7	6.3	4.7	4.0
hsa-miR-378e	4.6	7.7	11.0	9.9	8.9	11.7	8.9	9.1	7.5	6.6	7.9	7.1	5.7	4.1	2.5	4.2	9.0	8.2	9.2	6.4	4.2	8.1	4.6	6.7	6.5	9.0	8.7	9.0	7.2	4.7	7.8	7.6	7.8	5.6	9.7	7.7	7.0	4.5	7.5	9.2
hsa-miR-582-3p	4.6	4.1	2.6	3.5	3.4	4.6	2.7	9.1	1.9	6.3	4.8	4.4	2.9	4.2	3.0	9.9	5.2	4.2	4.8	3.7	5.2	3.9	3.1	2.2	4.3	8.2	7.8	4.2	3.6	4.9	5.0	4.7	11.3	2.5	3.3	3.9	4.4	2.7	6.3	3.6
hsa-miR-29a-5p	4.5	3.4	5.7	5.2	5.6	7.6	8.0	5.9	5.9	4.8	2.8	7.4	6.8	2.8	3.8	5.3	4.9	3.4	3.4	5.2	8.7	5.6	3.3	5.1	14.3	5.9	9.0	7.6	6.0	4.6	5.3	4.1	3.7	3.6	4.5	5.5	7.1	7.5	4.1	3.1
hsa-miR-377-3p	4.5	5.0	4.4	5.2	4.7	3.9	3.0	2.7	4.7	2.0	5.5	6.3	4.4	3.0	3.6	4.4	3.0	4.3	3.4	2.8	9.3	5.4	7.3	2.2	7.2	3.8	9.0	3.6	4.9	3.2	2.4	4.1	7.6	5.2	3.7	3.6	6.1	4.9	5.0	4.3
hsa-miR-532-3p	4.5	4.2	2.9	3.9	6.8	3.5	6.7	5.2	2.7	4.6	5.3	6.5	8.1	3.0	5.0	3.8	3.9	2.7	3.2	4.5	5.5	5.4	3.8	4.8	5.9	4.7	8.5	4.6	4.6	7.1	5.4	4.1	5.9	2.5	2.4	3.2	5.7	5.1	3.7	2.5
hsa-miR-576-5p	4.3	4.1	2.2	3.2	5.4	2.8	3.7	2.2	4.1	5.2	6.1	2.6	4.6	4.7	6.5	3.7	5.2	3.7	3.1	3.2	7.3	5.3	4.4	3.0	2.6	4.9	7.8	4.0	4.7	6.2	5.5	4.5	12.0	3.4	3.8	4.3	4.1	3.5	5.1	4.0

hsa-let-7f-1-3p	4.2	2.7	12.6	17.0	15.1	14.2	11.0	11.9	14.3	15.9	17.7	16.1	14.3	13.2	9.8	14.8	16.4	12.3	15.4	14.7	17.2	12.2	10.5	12.8	16.7	16.1	23.3	16.6	14.6	8.3	15.2	14.9	12.3	13.7	12.1	12.7	14.4	14.8	10.7	10.8
hsa-miR-101-5p	4.2	4.4	5.3	5.0	5.2	4.2	7.1	7.0	4.7	9.5	3.3	10.8	9.9	3.6	5.5	3.4	5.5	4.3	4.7	7.1	8.0	7.5	4.6	2.6	8.7	10.0	7.7	10.5	9.5	3.1	5.3	3.2	10.2	2.9	5.7	2.5	11.2	9.4	3.3	2.5
hsa-miR-301b	4.2	4.7	6.3	10.1	20.4	16.0	12.7	12.8	24.5	23.6	24.8	22.0	54.2	27.6	19.2	20.7	33.6	23.2	27.6	21.7	32.2	26.9	24.8	19.2	23.2	14.0	34.1	11.7	15.8	10.7	12.0	17.5	16.3	27.9	15.7	14.1	22.7	30.7	11.2	6.7
hsa-miR-1304-3p	4.0	3.7	1.8	2.7	3.6	3.5	7.8	7.2	3.2	5.4	3.1	2.2	2.6	5.4	4.9	8.3	4.5	5.8	2.6	3.3	5.1	2.9	10.0	9.7	3.5	5.3	7.9	2.7	2.3	6.4	4.4	9.6	6.5	3.3	2.9	1.5	4.3	3.9	7.7	5.0
hsa-miR-185-3p	4.0	4.0	4.8	5.0	2.0	3.0	3.9	3.6	3.3	6.0	1.6	5.8	6.4	6.0	2.3	4.7	4.0	4.9	3.6	2.2	3.8	3.9	5.9	6.9	2.6	4.1	3.4	3.7	4.9	4.0	5.1	3.2	1.7	2.0	2.6	2.2	3.0	3.6	3.4	4.4
hsa-miR-330-3p	4.0	4.1	6.5	6.9	5.4	4.6	3.0	2.3	4.4	1.6	5.4	3.6	5.5	5.2	4.8	3.6	4.5	2.1	4.5	5.3	5.2	5.4	8.0	3.4	6.5	3.8	6.2	2.8	5.3	5.0	2.2	3.6	5.3	3.8	4.1	3.1	2.5	5.5	4.3	2.0
hsa-miR-339-5p	4.0	4.7	4.5	5.3	6.7	4.7	7.6	5.3	6.8	6.6	9.9	12.5	11.9	6.6	12.6	8.7	5.8	8.8	6.5	9.5	21.9	7.5	10.3	7.7	5.4	9.1	13.4	7.3	11.2	12.0	8.3	10.0	16.4	5.9	5.7	4.7	11.5	9.4	9.2	6.0
hsa-miR-27a-5p	3.9	4.7	9.0	5.4	7.4	4.8	8.9	4.4	7.4	10.3	6.8	5.4	6.2	7.7	12.0	7.9	4.0	4.6	1.6	12.3	6.3	6.8	5.2	3.8	2.2	10.7	3.9	6.2	5.0	15.8	2.5	5.4	27.5	16.3	7.2	8.1	7.8	8.6	9.5	5.8
hsa-miR-3615	3.9	4.6	10.9	9.9	3.9	5.0	5.0	6.9	3.5	8.7	5.7	6.4	3.1	9.1	9.0	10.0	7.8	4.5	6.1	5.7	12.1	7.8	11.5	9.4	2.0	9.8	9.6	2.1	14.5	8.7	11.5	9.0	6.4	1.5	6.5	6.0	6.6	8.4	14.3	8.8
hsa-miR-369-5p	3.9	6.5	3.3	5.1	4.4	4.4	3.5	5.0	1.8	5.0	4.7	10.2	5.9	5.7	6.2	6.9	3.6	2.7	3.1	3.6	13.8	6.3	7.6	5.2	3.3	2.7	4.0	6.4	9.0	4.9	4.9	7.6	3.0	4.2	3.7	4.1	11.9	8.0	7.5	9.1
hsa-miR-618	3.7	6.8	2.6	3.1	2.4	4.9	3.0	1.6	4.1	2.0	2.4	4.7	3.1	5.8	2.0	1.2	6.6	3.3	1.3	1.8	1.7	3.8	3.6	3.0	3.9	1.5	2.2	6.4	2.8	5.4	5.7	1.6	3.7	0.8	2.1	3.8	3.7	3.7	2.6	2.6
hsa-miR-188-5p	3.6	1.4	2.4	2.2	3.6	2.8	3.5	3.1	2.0	1.4	1.6	2.9	3.3	1.1	1.1	1.5	2.8	1.9	1.8	2.7	2.4	2.6	1.9	3.5	2.8	2.6	2.0	1.3	1.6	1.3	1.6	1.1	1.7	1.1	1.6	2.0	2.5	3.3	0.9	0.6
hsa-miR-324-3p	3.6	3.9	4.0	4.5	4.3	4.0	2.6	5.0	4.2	5.4	6.1	7.8	6.6	3.5	6.0	4.7	4.8	5.4	4.8	4.9	9.2	5.7	5.0	3.8	6.3	6.0	8.8	5.5	7.3	7.0	7.8	6.3	10.6	5.7	3.7	3.4	5.8	3.5	4.5	5.3
hsa-miR-3605-3p	3.6	7.2	5.9	6.1	4.0	7.5	7.1	10.0	4.2	4.6	3.9	9.6	11.8	12.8	6.3	11.1	6.9	6.4	4.9	5.4	7.2	7.2	12.0	12.0	1.7	5.9	2.7	13.1	9.4	8.0	7.3	8.8	1.2	2.6	5.7	4.9	7.4	12.5	9.6	11.4
hsa-miR-3620	3.6	1.5	0.7	1.3	0.9	0.6	1.5	0.3	0.3	1.2	1.0	1.1	1.5	1.6	0.4	0.0	0.3	0.4	0.6	0.5	0.8	0.9	0.5	0.5	3.9	0.2	2.2	0.8	0.3	1.4	1.1	0.7	0.0	1.1	0.6	0.6	1.2	0.8	0.7	0.6
hsa-miR-708-5p	3.6	5.6	4.4	5.0	10.2	5.9	6.0	3.9	11.9	13.3	20.5	11.3	12.5	9.9	19.0	10.0	12.6	10.0	10.6	10.1	16.5	7.4	16.6	10.2	11.3	15.5	20.0	15.5	18.2	9.5	13.2	15.1	39.3	9.0	8.3	6.6	19.0	10.0	13.7	6.7
hsa-let-7g-3p	3.4	3.6	5.4	4.6	6.7	5.0	3.9	5.3	3.9	4.8	5.0	9.2	6.6	5.0	6.1	6.3	4.9	8.2	5.9	7.2	7.1	6.6	6.2	7.1	4.8	5.2	9.8	8.2	5.9	4.0	7.5	6.5	10.8	6.4	7.6	8.4	8.4	8.0	6.1	8.6
hsa-miR-1306-5p	3.4	1.7	1.7	1.7	1.1	1.8	1.3	2.0	1.2	1.4	1.7	2.9	2.8	1.7	1.6	2.1	1.0	1.5	1.9	0.5	2.7	1.8	2.3	1.2	1.1	3.0	3.4	2.8	3.0	2.4	1.3	1.8	1.7	0.3	1.0	1.7	2.9	2.0	1.0	1.6
hsa-miR-4448	3.4	4.7	4.6	20.2	29.0	0.8	0.6	2.2	6.0	23.0	28.5	5.7	14.7	17.8	34.3	5.0	3.0	4.5	50.7	22.3	3.4	8.7	12.8	8.2	28.2	11.8	40.0	0.2	3.1	68.1	34.2	2.3	37.0	6.2	11.6	22.2	1.9	8.0	5.7	1.4
hsa-miR-653	3.4	2.6	2.4	2.8	3.1	5.9	2.2	4.1	4.5	2.4	3.4	5.0	3.1	3.0	8.4	4.3	3.5	3.1	5.0	6.6	4.8	4.4	1.9	4.0	5.6	3.7	6.1	4.8	2.8	2.9	3.0	3.4	5.9	2.9	3.7	4.4	3.9	2.7	3.2	5.4
hsa-miR-708-3p	3.4	5.5	6.5	5.3	10.3	6.8	9.1	8.4	9.2	11.5	11.6	12.4	16.9	10.9	13.2	10.9	11.9	10.2	6.6	6.9	23.7	11.3	14.0	9.6	6.7	14.1	11.6	20.1	17.6	8.3	14.3	14.3	25.7	6.2	7.6	7.0	20.4	13.7	15.9	8.0
hsa-miR-93-3p	3.4	2.4	3.0	3.7	4.8	2.6	1.5	3.3	4.5	3.2	2.9	3.6	5.0	3.5	1.7	2.8	4.3	5.2	4.6	5.6	6.9	4.7	3.1	3.2	3.5	4.7	5.5	2.7	4.7	2.4	3.3	3.0	5.2	4.9	3.1	2.5	2.2	3.3	2.7	2.5
hsa-miR-3195	3.2	4.6	2.8	13.3	6.2	6.4	1.3	3.7	2.9	0.0	3.3	12.0	19.5	12.3	18.9	9.7	3.3	1.6	3.9	5.7	19.0	13.7	14.2	18.6	2.2	0.9	3.0	13.7	7.4	3.0	8.6	7.5	7.3	2.6	5.0	6.2	4.7	7.6	10.5	6.8
hsa-miR-454-5p	3.2	2.7	2.8	2.4	4.4	2.6	2.2	2.2	5.7	4.2	3.6	4.7	2.4	8.0	4.2	5.0	5.8	3.9	3.0	3.4	4.4	3.8	3.5	6.5	5.0	3.4	3.3	5.7	4.7	5.7	5.5	3.7	4.7	2.0	2.0	2.5	2.3	4.9	4.0	3.3
hsa-miR-1246	3.1	3.7	0.2	0.7	2.5	0.3	0.0	0.6	3.6	4.2	2.7	0.8	7.0	3.9	13.4	3.8	2.0	0.0	0.6	0.4	5.2	3.0	9.4	9.2	24.5	3.6	24.9	0.2	0.4	11.4	9.4	2.7	19.8	1.3	1.6	0.0	0.5	0.7	2.0	3.3
hsa-miR-433	3.1	2.9	2.8	3.8	1.5	2.7	2.8	1.2	1.2	1.8	2.4	3.8	3.3	2.5	2.0	1.8	2.7	1.8	0.3	1.1	5.5	1.7	3.3	1.9	2.8	3.1	3.3	2.1	2.1	1.6	0.8	1.9	0.9	2.9	1.0	1.9	3.5	2.4	2.1	2.0
hsa-miR-512-3p	3.1	0.3	0.5	2.0	1.6	2.1	1.1	1.4	0.0	0.0	0.6	1.3	0.9	1.3	0.2	1.5	0.8	1.8	0.3	2.5	0.0	3.9	0.2	1.9	0.4	1.0	0.2	2.4	1.8	1.4	2.2	1.8	0.3	1.6	1.5	3.2	2.3	3.6	1.5	0.4
hsa-miR-616-5p	3.1	4.8	3.3	2.6	4.0	3.7	3.5	4.1	2.4	3.8	3.7	4.7	2.9	4.3	3.8	3.9	3.3	3.6	2.8	2.2	2.1	5.0	3.4	4.4	2.8	4.9	2.1	6.5	6.8	4.0	3.0	4.5	3.7	2.0	4.0	3.8	4.3	3.0	3.8	4.2
hsa-miR-676-3p	3.1	2.2	2.1	4.8	3.7	1.0	2.2	0.8	2.6	2.2	2.0	3.6	1.3	3.3	1.3	2.1	2.3	1.5	1.4	2.0	3.2	4.8	2.4	1.6	1.7	2.0	1.7	3.9	2.9	3.1	3.0	3.5	1.5	1.1	1.8	4.6	3.4	3.5	3.0	3.4
hsa-let-7a-2-3p	2.9	2.0	2.4	2.0	3.4	3.2	5.0	4.7	6.0	3.8	4.2	4.0	2.0	3.8	6.4	3.3	3.4	4.3	2.6	3.5	3.2	2.7	3.7	3.6	3.3	4.1	4.5	4.4	3.8	1.9	2.5	3.4	4.3	1.6	3.3	1.9	4.8	4.5	3.4	3.8
hsa-miR-369-3p	2.9	6.7	4.6	5.0	4.8	3.9	3.2	3.0	4.1	8.7	3.9	5.7	6.1	3.2	3.7	2.3	3.9	3.6	2.6	2.8	8.0	4.8	4.7	3.0	9.5	3.7	8.2	3.6	4.7	1.4	3.4	3.0	3.7	4.4	2.2	2.0	5.5	2.7	4.6	4.3
hsa-miR-203	2.8	2.0	2.4	3.4	6.7	3.0	1.7	3.7	3.9	1.0	7.8	3.2	3.7	5.7	24.4	2.5	3.1	1.8	5.7	6.6	6.8	2.9	7.5	10.9	7.6	0.6	8.3	3.8	3.6	4.0	4.1	2.6	1.7	2.5	3.9	3.5	3.7	6.0	5.1	4.8
hsa-miR-3912	2.8	4.3	4.6	4.4	4.8	5.2	0.4	5.0	3.2	5.0	2.3	3.5	6.1	4.3	4.7	3.7	4.0	1.8	4.2	4.8	4.4	4.2	5.2	5.5	4.3	6.2	3.3	5.9	4.3	5.1	5.1	4.7	5.6	4.1	4.5	3.0	4.6	4.8	4.8	4.9
hsa-miR-1247-5p	2.6	3.2	3.2	4.0	1.8	1.2	6.5	7.5	0.0	0.4	5.6	2.8	0.0	3.6	3.2	2.9	0.8	0.3	2.6	0.7	6.3	1.4	9.5	1.2	1.1	0.0	1.5	7.0	3.3	8.6	9.9	7.3	9.3	0.0	2.2	1.2	8.0	6.5	14.9	4.6
hsa-miR-15b-3p	2.6	2.4	2.5	3.7	5.6	6.5	4.1	3.0	3.2	5.2	4.6	10.6	7.7	3.3	9.7	4.7	4.1	3.0	5.8	6.1	13.4	7.1	6.0	8.1	1.1	3.7	7.7	5.5	5.8	5.5	6.6	5.2	9.0	3.1	4.5	3.7	3.7	5.3	3.5	3.5
hsa-miR-182-5p	2.6	3.5	6.9	5.2	13.0	113.6	25.5	7.5	128.4	116.0	257.8	316.8	213.6	104.8	211.9	165.3	210.9	81.7	68.8	93.1	864.0	104.6	208.8	144.6	31.0	81.1	124.9	74.9	92.1	336.9	92.0	106.5	356.8	79.7	17.0	76.0	29.5	84.4	74.2	34.3
hsa-miR-18a-5p	2.6	2.5	3.4	4.9	7.2	4.9	5.2	3.7	3.5	3.8	4.1	8.5	8.5	2.0	3.6	4.0	2.7	2.5	3.2	4.5	14.0	4.8	4.1	6.6	8.2	3.9	14.9	3.6	6.1	5.4	5.0	4.3	13.4	3.1	3.3	4.0	3.3	3.9	3.6	3.8
hsa-miR-29b-1-5p	2.6	2.4	3.1	2.2	2.7	3.1	3.2	3.7	1.7	3.0	1.0	2.1	2.8	2.8	2.6	7.0	2.4	2.4	1.1	3.2	3.5	2.6	1.6	2.2	2.8	2.2	1.8	2.6	1.7	2.7	2.2	4.7	0.8	3.9	1.6	4.7	3.0	4.0	2.8	1.2
hsa-miR-3690	2.6	0.0	1.7	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.5	1.4	0.3	0.5	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	1.0	0.0	0.9	0.0	0.0	1.0	0.0
hsa-miR-491-5p	2.6	3.4	2.6	3.0	3.6	3.6	3.2	3.7	0.8	3.2	3.0	4.0	3.1	1.9	2.0	3.0	1.6	2.1	1.3	1.5	3.4	2.9	2.0	3.1	3.5	0.9	2.6	5.4	3.1	3.8	3.3	2.7	0.6	2.3	3.2	2.5	3.2	3.6	1.9	2.6
hsa-miR-493-3p	2.6	5.8	4.3	7.3	6.7	4.6	4.1	4.8	7.2	7.7	14.4	11.7	9.9	9.6	11.3	6.7	7.6	11.4	5.2	9.2	17.8	8.9	15.3	7.3	6.7	10.0	14.6	7.2	12.1	10.0	7.5	11.0	16.7	10.8	4.7	6.5	15.9	13.3	10.3	5.6
hsa-miR-500a-5p	2.6	2.9	2.1	2.3	2.1	2.6	5.0	2.5	3.0	1.4	2.9	1.9	3.3	2.4	2.9	0.9	1.8	2.8	2.3	2.7	2.5	2.6	1.4	2.0	1.7	1.6	4.8	2.4	2.0	1.3	1.3	1.0	4.0	1.6	1.4	1.9	3.2	1.9	0.8	2.2
hsa-miR-215	2.5	11.4	27.0	29.4	28.2	38.4	2.4	3.4	11.7	8.5	43.6	8.5	7.7	11.7	20.1	9.3	58.6	8.7	32.2	39.8	19.3	9.8	11.8	7.5	3.7	10.3	39.6	9.5	6.6	6.2	7.8	5.9	66.5	24.2	28.8	33.3	8.9	14.6	6.5	5.9
hsa-miR-3158-3p	2.5	3.9	3.5	4.4	4.0	3.0	3.2	6.6	3.5	3.2	3.9	3.9	4.6	6.1	5.0	4.0	6.2	4.9	4.3	4.4	3.8	5.7	7.7	7.9	4.1	3.2	2.6	8.1	4.9	5.2	5.0	5.2	3.3	5.2	5.0	5.1	5.6	7.7	4.6	5.3
hsa-miR-4634	2.5	2.4	1.0	2.0	6.1	4.3	4.3	3.9	6.0	0.0	3.1	13.9	9.9	3.9	16.2	4.5	2.0	1.9	5.6	8.3	17.4	15.0	7.0	3.0	3.0	1.0	7.4	9.9	6.1	4.9	9.2	3.8	9.3	1.0	5.7	3.8	4.7	5.7	7.3	1.5
hsa-miR-503	2.5	1.6	2.1	1.3	2.3	0.4	0.9	2.2	1.1	4.2	2.7	1.5	2.9	5.0	1.6	2.9	0.9	3.3	2.2	1.5	1.3	1.7	1.6	0.5	3.3	1.5	2.2	1.5	0.9	3.1	3.7	2.1	0.8	1.5	1.8	2.4	4.2	1.4	1.3	1.6
hsa-miR-561-5p	2.5	3.5	5.0	3.2	7.2	3.4	8.4	4.5	5.0	3.8	6.3	6.1	3.5	5.2	9.6	3.5	6.6	4.9	3.4	5.6	9.7	5.7	5.5	5.1	4.1	7.8	8.0	5.7	6.0	4.0	6.2	5.9	12.0	5.4	3.3	2.4	7.4	6.7	5.4	3.3
hsa-miR-656	2.5	1.8	1.4	2.2	1.8	1.5	0.4	1.4	1.4	2.8	2.3	2.9	0.9	1.6	1.8	2.0	2.4	3.0	1.4	1.5	4.0	1.7	1.9	1.3	2.0	1.1	3.9	2.1	2.7	1.7	3.2	1.5	3.7	2.3	0.8	1.8	2.5	1.6	2.0	2.0
hsa-miR-26a-2-3p	2.3	3.8	4.2	6.4	8.5	5.9	4.8	5.5	4.2	6.6	6.6	8.9	7.7	4.3	4.7	5.8	5.7	5.5	4.5	5.3	8.6	5.9	5.5	4.7	6.9	6.8	7.7	9.6	7.3	2.3	4.9	4.0	9.1	5.1	6.9	6.0	7.6	7.8	4.3	3.4
hsa-miR-320d	2.3	1.3	1.4	1.6	2.3	1.4	3.2	0.3	2.0	0.8	1.1	3.8	2.0	3.2	2.3	3.8	1.6	2.4	0.7	1.5	4.4	1.5	2.5	2.8	0.4	3.1	2.4	3.0	2.2	3.3	2.5	2.2	1.5	1.1	2.7	2.1	1.9	1.7	2.8	3.0
hsa-miR-4524a-3p	2.3	1.8	1.5	1.0	2.4	1.3	2.2	0.8	1.1	1.2	1.4	1.4	1.5	1.3	1.8	0.9	1.2	2.1	0.7	2.9	3.4	0.9	1.3	0.8	0.9	2.6	2.3	1.9	2.0	0.8	2.1	0.8	1.2	1.3	2.0	0.8	1.3	0.8	1.4	1.5
hsa-miR-665	2.3	3.3	1.4	2.6	2.7	2.1	1.3	3.0	2.0	1.6	1.3	1.4	1.3	0.8	0.8	1.8	0.7	2.5	1.8	1.5	2.7	2.3	1.4	1.6	2.2	2.1	2.9	1.1	1.9	1.8	1.6	2.6	0.0	1.5	1.4	3.2	1.6	1.7	1.7	2.1
hsa-miR-877-5p	2.3	2.0	2.6	2.5	2.8	2.8	0.6	2.8	2.3	1.2	2.8	3.5	3.1	2.0	1.3	2.5	2.4	1.9	1.9	3.5	3.7	3.2	0.9	3.1	0.9	3.2	3.3	2.2	3.5	2.4	1.1	3.2	0.9	2.6	2.4	1.5	4.1	3.3	0.6	1.6
hsa-miR-3065-3p	2.2	0.6	1.9	2.5	0.6	0.4	3.7	1.1	0.9	2.2	1.8	3.2	1.5	4.4	0.4	3.5	1.9	0.6	1.1	0.5	1.6	1.2	2.6	0.7	0.4	0.4	0.9	1.9	4.1	4.0	2.9	2.3	0.0	0.3	0.8	1.4	1.1	2.3	2.3	2.6
hsa-miR-3157-5p	2.2	1.2	0.5	5.7	5.6	0.6	0.9	1.1	10.4	17.9	4.7	5.6	17.5	0.6	1.6	0.6	2.3	4.2	9.1	6.7	5.4	8.0	2.1	1.7	17.8	4.4	7.7	0.0	0.2	2.9	4.1	0.2	21.0	8.0	1.1	1.0	0.8	4.6	0.6	0.5
hsa-miR-376b	2.2	0.8	1.9	2.5	1.9	1.3	1.3	1.7	1.2	3.0	0.5	3.1	1.5	1.6	0.9	1.2	1.2	2.1	0.7	1.5	2.8	1.1	1.1	1.1	1.5	1.4	2.3	1.1	1.8	1.4	1.6	1.7	1.5	1.3	1.2	1.9	1.3	0.8	2.1	2.0
hsa-miR-4484	2.2	1.3	1.5	1.3	3.0	1.5	6.9	1.1	0.5	2.0	0.7	2.9	0.7	1.6	0.0	1.4	0.7	0.3	0.6	1.1	1.4	0.8	0.5	0.8	3.0	0.2	1.6	8.3	6.4	2.1	0.7	1.3	0.0	1.0	2.9	2.5	0.9	1.4	0.7	4.2
hsa-miR-4685-3p	2.2	0.7	0.0	0.0	0.0	0.3	0.0	0.0	2.1	1.0	0.2	0.0	0.0	0.0	0.2	0.2	0.8	0.6	0.2	0.0	0.0	0.0	0.6	0.3	1.1	0.6	0.0	0.0	0.0	0.5	0.0	0.0	0.6	0.3	0.0	0.0	0.2	0.2	0.2	0.2
hsa-miR-485-3p	2.2	1.3	1.0	0.8	1.5	0.4	0.4	0.5	1.4	0.4	3.3	2.5	2.9	0.6	0.6	0.7	0.7	1.2	1.0	1.7	2.0	2.0	1.7	1.6	2.8	2.3	5.2	2.2	2.3	2.4	1.2	1.4	2.1	0.3	1.1	0.7	2.5	0.7	2.3	1.1
hsa-miR-495	2.2	3.4	1.4	3.4	2.6	2.8	2.4	1.9	3.0	3.4	4.2	2.9	3.5	1.1	1.9	2.1	3.0	3.0	1.8	2.3	5.5	2.9	4.2	1.7	3.9	3.1	7.9	1.9	3.5	1.9	3.3	2.7	5.8	4.4	1.9	1.9	4.6	3.0	3.0	2.6
hsa-miR-550a-3p	2.2	2.1	2.5	2.7	3.9	2.9	1.7	5.2	3.3	4.8	3.8	5.0	3.3	2.4	3.2	1.4	2.4	3.1	2.1	3.9	6.1	5.7	7.4	6.3	0.9	3.9	3.3	2.9	5.4	4.1	5.8	3.2	0.6	2.8	3.7	3.5	4.0	4.8	4.7	5.1
hsa-miR-671-5p	2.2	1.4	4.4	2.7	3.2	3.4	6.3	3.9	0.8	3.0	1.6	5.0	7.7	2.5	2.4	3.7	2.2	2.4	2.1	3.8	2.5	4.2	2.5	2.2	4.1	2.6	3.4	2.9	4.4	2.6	2.8	3.8	2.7	2.9	1.6	2.3	4.9	2.9	1.6	2.4
hsa-miR-758	2.2	1.9	1.1	2.0	2.8	2.1	0.9	1.4	1.4	2.0	2.7	2.8	2.2	1.7	2.0	2.0	2.0	2.4	1.8	2.7	4.9	1.7	2.6	1.3	1.1	3.2	3.2	2.6	4.6	2.7	1.3	3.9	5.2	0.8	1.4	2.8	4.1	2.0	2.2	1.7
hsa-miR-100-3p	2.0	1.6	2.6	1.6	10.3	2.9	1.1	4.1	3.5	7.2	8.0	4.7	4.2	6.1	23.6	4.2	8.6	4.0	2.1	11.2	8.2	4.1	4.2	4.6	5.2	11.7	11.5	1.6	4.3	2.7	4.1	8.1	10.2	4.1	2.6	4.7	6.8	7.2	2.6	2.0
hsa-miR-132-5p	2.0	2.9	1.7	2.2	8.1	4.0	5.4	3.3	2.3	1.6	3.6	4.3	7.0	7.7	3.0	6.4	1.8	2.8	2.5	2.8	5.6	2.4	6.6	5.9	3.5	4.7	3.8	2.7	4.3	1.9	5.4	4.8	3.2	2.3	2.9	2.2	9.2	2.9	3.8	3.3
hsa-miR-2277-5p	2.0	1.9	1.5	1.7	2.6	1.6	2.2	0.6	1.2	1.6	1.5	2.9	3.7	1.6	1.9	3.0	2.3	2.8	1.6	1.4	2.5	2.1	2.3	2.0	2.0	3.8	1.7	2.0	1.7	3.5	2.2	2.5	3.7	2.5	0.5	1.5	2.5	2.7	2.1	2.6
hsa-miR-504	2.0	1.5	1.3	1.7	1.9	2.3	1.1	0.5	1.5	1.4	1.1	2.1	2.4	2.7	5.2	1.6	2.4	1.5	1.8	3.3	5.6	1.5	1.7	1.5	0.9	5.3	1.7	0.8	1.7	2.1	1.3	1.1	3.7	0.7	1.0	1.5	0.8	1.2	2.9	1.0
hsa-miR-644b-3p	2.0	1.9	0.6	1.0	1.2	0.3	0.9	1.6	0.6	2.2	1.3	1.7	1.7	0.8	0.8	1.0	0.7	1.3	0.8	1.2	1.4	1.7	0.9	0.7	2.4	1.2	2.6	0.6	0.4	0.8	0.7	1.1	1.2	1.3	0.8	0.9	1.4	1.4	1.4	0.4
hsa-miR-675-3p	2.0	4.0	3.7	3.8	4.9	2.4	5.6	3.0	6.6	2.0	4.4	3.5	3.3	1.9	1.2	3.4	2.5	4.2	3.2	1.6	5.9	4.1	2.4	4.3	4.1	2.1	2.8	1.7	6.0	2.2	3.4	3.3	4.4	1.1	2.6	2.5	5.4	4.1	2.5	3.8
hsa-miR-141-3p	1.9	1.4	1.3	1.4	3.7	3.3	0.9	3.6	4.8	2.6	8.5	5.6	3.5	3.5	5.8	4.5	12.0	4.0	4.4	4.9	4.5	4.4	4.6	3.0	3.7	3.0	7.8	3.8	4.2	4.2	3.8	5.3	32.9	9.6	2.6	4.3	4.0	5.1	3.1	1.9
hsa-miR-382-3p	1.9	2.0	1.6	2.2	2.1	0.5	0.4	0.8	1.5	4.4	3.1	4.3	2.0	1.4	2.8	1.2	1.4	1.0	0.9	2.1	4.4	1.2	1.7	1.5	2.6	2.6	5.4	1.8	2.2	1.5	2.2	0.9	4.0	1.6	1.2	1.5	2.9	1.8	2.1	0.7
hsa-miR-382-5p	1.9	3.8	3.0	3.6	3.3	2.1	2.4	2.5	2.4	5.4	5.3	5.0	4.0	3.0	4.2	3.2	2.4	2.4	1.9	3.5	10.4	4.2	4.2	2.4	3.5	3.6	6.5	3.1	4.5	4.4	2.9	3.1	0.9	1.1	3.0	4.5	7.7	3.5	3.2	4.0
hsa-miR-425-3p	1.9	4.9	3.0	3.4	3.8	3.6	2.4	3.3	1.8	5.6	3.3	4.9	4.6	6.1	3.2	5.4	5.2	2.2	2.9	4.4	6.5	3.9	5.6	3.1	7.2	2.6	5.4	2.4	4.0	6.2	2.6	3.7	2.0	4.4	2.4	3.5	3.4	3.1	3.6	3.1
hsa-miR-539-3p	1.9	2.7	2.8	4.9	5.9	3.6	3.0	3.6	3.0	3.0	5.6	7.8	5.7	3.0	5.2	3.0	2.5	4.5	1.2	3.8	8.0	6.5	5.6	2.8	5.0	7.4	4.8	6.5	5.9	2.9	2.4	4.6	6.4	4.2	4.3	5.2	8.8	4.2	6.2	3.8
hsa-miR-1179	1.7	0.6	1.9	1.4	1.8	2.1	1.9	2.3	2.6	1.0	1.5	2.1	0.7	0.9	1.1	1.6	0.8	1.8	1.4	1.5	1.1	2.0	1.3	2.6	2.0	0.7	2.0	1.8	2.5	1.8	1.6	0.7	1.2	2.5	1.0	1.4	0.9	1.1	0.9	2.2
hsa-miR-33b-5p	1.7	2.3	2.7	2.8	5.5	5.2	3.9	5.9	2.4	3.0	3.5	8.9	4.4	2.8	9.9	4.7	1.8	0.6	4.0	7.9	7.5	5.9	6.1	4.8	2.6	3.6	4.5	7.4	3.5	5.1	8.1	7.9	3.2	2.3	3.8	5.0	6.0	5.5	12.3	5.4
hsa-miR-3605-5p	1.7	1.2	1.5	1.7	2.5	2.6	0.6	1.7	1.2	0.6	1.6	0.8	0.7	3.0	1.6	0.2	3.5	0.9	2.6	1.4	1.3	1.1	1.6	1.9	1.1	1.5	2.3	2.5	2.1	2.3	1.3	0.3	0.8	1.5	1.6	2.2	0.7	3.1	1.8	1.7
hsa-miR-365a-5p	1.7	1.1	1.0	2.8	1.7	0.9	0.4	0.5	0.8	1.0	1.9	1.0	0.6	1.3	1.2	1.4	1.0	0.7	0.9	0.7	1.0	0.6	0.7	0.4	0.4	1.7	1.5	2.0	2.3	3.3	2.0	3.1	0.6	1.1	1.8	1.4	2.6	1.3	0.8	1.4
hsa-miR-629-5p	1.7	2.9	2.7	4.0	5.0	4.9	3.9	2.8	2.6	3.8	4.1	5.0	4.2	7.9	5.5	5.2	4.1	3.4	1.9	7.3	5.6	3.9	5.0	8.2	1.7	2.7	6.1	5.6	5.0	4.8	6.6	7.3	2.9	6.5	7.0	3.6	4.1	5.2	5.6	4.7
hsa-miR-127-5p	1.5	3.8	4.3	5.3	5.1	4.2	3.0	5.6	3.9	5.8	10.4	8.5	5.7	4.1	8.4	4.6	4.2	7.2	3.1	4.7	17.6	6.8	4.5	2.6	6.1	6.8	10.2	2.9	7.4	4.7	6.2	6.6	15.7	6.0	3.6	5.6	11.5	7.5	4.3	5.5
hsa-miR-224-3p	1.5	1.9	0.8	3.6	4.5	3.5	1.5	3.4	1.7	1.4	2.1	1.5	1.5	2.2	2.9	2.0	2.8	1.9	1.9	3.7	4.0	3.2	2.6	3.6	1.3	0.7	3.2	3.6	2.5	2.4	3.0	3.7	0.8	3.1	5.8	4.0	2.7	4.3	2.7	4.2
hsa-miR-3065-5p	1.5	0.3	2.7	1.3	0.6	0.4	2.6	0.0	1.7	2.2	1.7	1.5	0.6	3.5	0.4	2.2	1.9	0.6	0.7	0.5	1.6	2.3	1.9	0.3	0.0	0.2	0.4	1.8	2.5	1.6	1.7	0.9	0.3	0.3	0.6	0.9	0.7	1.6	1.6	1.4
hsa-miR-3116	1.5	3.0	2.8	3.1	2.6	2.8	2.6	3.3	2.1	4.8	3.2	5.7	4.0	5.2	1.9	2.8	4.3	3.9	5.1	2.2	2.7	2.6	4.7	5.5	4.3	2.6	1.5	5.4	4.8	3.3	5.4	3.0	1.7	2.5	4.6	2.5	5.5	3.9	5.9	3.7
hsa-miR-3613-3p	1.5	1.8	0.8	1.2	1.3	0.5	1.3	1.2	0.9	1.2	2.3	1.9	0.9	0.8	1.2	0.5	1.1	0.9	1.6	1.2	2.1	1.7	1.2	0.5	2.2	0.2	4.0	1.1	1.6	1.1	0.9	0.9	4.0	0.8	1.5	0.9	2.1	2.0	1.4	0.6
hsa-miR-376a-5p	1.5	3.0	3.2	4.2	2.2	3.1	4.5	4.1	3.5	4.4	2.9	8.5	5.7	1.9	0.8	1.8	1.8	1.6	1.6	1.1	14.1	9.2	1.1	1.1	3.0	6.0	3.2	3.3	7.9	1.5	2.1	0.8	5.8	0.5	1.4	1.3	8.7	5.7	1.0	0.7
hsa-miR-431-5p	1.5	1.8	1.6	2.4	2.4	1.1	1.3	2.5	2.3	0.8	1.8	1.7	2.4	1.1	0.8	2.7	1.7	2.8	1.0	1.2	11.9	1.7	1.8	1.7	0.7	1.2	2.4	0.9	2.2	1.0	1.1	2.0	0.5	1.3	0.7	1.2	4.2	1.7	0.6	1.7
hsa-miR-4650-5p	1.5	2.5	4.4	6.1	4.6	2.2	2.8	3.6	3.8	2.2	3.8	11.4	24.1	4.7	4.6	7.0	2.4	5.2	2.6	1.4	21.6	11.4	11.4	10.2	6.1	3.9	36.9	5.9	7.6	4.4	16.5	10.4	1.5	1.5	2.1	1.0	4.8	2.3	4.0	6.7
hsa-miR-4775	1.5	0.8	1.5	1.0	1.5	1.2	1.3	0.9	2.3	1.8	3.3	2.9	1.7	1.1	1.6	2.7	3.2	2.8	1.4	2.6	2.3	2.4	1.7	1.3	2.4	2.8	2.3	1.3	1.5	1.0	1.2	1.6	2.9	1.8	1.6	1.1	2.9	2.3	0.7	0.7
hsa-miR-4786-5p	1.5	0.8	0.0	1.0	0.7	0.9	0.4	0.9	0.3	0.6	0.4	0.4	0.4	0.0	0.0	0.5	0.3	0.0	0.4	0.0	0.3	0.6	0.2	0.7	0.7	0.5	0.4	0.6	0.2	0.7	0.9	0.2	0.6	0.5	0.6	0.8	0.5	1.0	0.2	0.8
hsa-miR-4791	1.5	5.5	3.2	5.5	6.4	4.3	3.7	1.9	4.2	3.8	6.0	2.5	1.1	2.0	8.4	5.1	4.7	2.5	3.8	4.8	3.4	3.2	3.9	3.1	4.8	4.1	8.8	1.6	0.9	6.2	3.7	5.5	22.5	6.9	6.1	5.6	2.0	2.8	6.6	5.0
hsa-miR-539-5p	1.5	1.5	0.6	1.2	1.0	1.1	2.2	0.0	0.3	0.4	0.8	0.4	1.1	0.5	1.1	0.9	0.7	0.4	0.6	0.5	2.0	0.3	1.7	0.4	1.3	0.2	2.3	0.8	1.2	0.6	0.7	1.0	0.9	0.8	0.0	1.0	0.9	1.3	0.3	1.0
hsa-miR-5690	1.5	1.3	1.5	1.3	2.2	1.3	1.7	1.9	0.9	0.4	0.8	1.3	1.8	1.3	0.6	2.1	2.0	1.8	1.8	1.5	2.0	1.5	1.8	2.3	0.0	1.1	1.0	0.7	0.7	1.8	0.7	1.7	0.9	1.5	1.4	1.3	0.5	1.3	1.3	1.1
hsa-miR-1908	1.4	1.8	1.4	0.7	0.3	1.4	1.9	1.1	0.6	0.8	0.6	2.5	0.7	0.6	0.6	1.8	0.2	0.0	0.3	1.1	1.3	1.8	0.9	0.7	0.0	1.4	0.9	2.9	1.7	1.3	1.7	1.1	0.3	0.7	0.9	0.9	1.8	2.3	0.8	1.1
hsa-miR-191-3p	1.4	1.1	1.7	1.7	1.2	1.1	1.5	2.2	0.5	2.2	0.7	2.6	2.0	1.7	0.6	1.4	1.0	1.6	1.4	1.3	1.6	3.2	2.1	2.0	1.7	1.2	1.1	2.6	3.6	2.9	1.7	1.4	0.6	1.0	1.8	1.4	2.9	2.2	1.7	1.6
hsa-miR-299-3p	1.4	1.4	3.5	6.3	9.0	4.2	4.5	3.9	6.2	12.3	9.9	8.1	3.9	4.1	5.5	5.7	6.2	4.5	3.2	4.6	14.5	8.0	7.8	2.4	7.4	7.8	8.4	7.3	6.1	1.6	7.3	6.0	14.0	4.7	5.9	4.3	7.5	4.0	6.1	4.8
hsa-miR-3679-5p	1.4	0.2	0.7	0.4	0.3	0.5	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.2	0.0	0.0	0.0
hsa-miR-370	1.4	1.7	2.4	2.4	1.5	1.1	0.9	2.3	0.8	2.4	3.8	3.5	2.8	2.2	2.9	3.1	1.5	1.3	1.2	3.4	4.2	4.1	3.8	1.9	2.4	0.7	3.0	2.4	4.6	6.8	2.2	4.6	0.6	0.8	2.5	2.6	7.7	2.5	3.5	4.1
hsa-miR-377-5p	1.4	2.0	1.2	0.7	0.7	1.1	1.1	0.0	1.4	1.0	3.2	2.4	2.2	1.1	3.0	1.3	1.1	1.8	0.9	1.2	5.5	1.7	1.1	0.0	1.1	1.4	2.4	2.2	3.0	1.5	0.7	1.9	3.2	2.0	0.9	0.9	4.7	2.9	1.5	1.6
hsa-miR-4485	1.4	6.3	1.1	9.4	4.4	1.7	0.4	1.6	0.3	2.6	6.1	7.2	23.5	4.6	30.8	9.2	1.0	1.9	4.1	4.5	15.1	16.8	11.5	13.6	1.3	0.9	1.8	1.2	1.5	12.1	37.7	13.1	0.9	0.7	2.2	2.0	0.5	3.3	3.4	3.2
hsa-miR-4999-5p	1.4	0.0	0.2	0.6	0.5	0.4	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.9	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.7	1.0	0.2
hsa-miR-5007-3p	1.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	4.2	8.3	0.0	0.0	0.0	0.0	0.0	0.0	7.2	6.0	0.0	0.0	0.0	0.0	0.0	0.3	10.4	4.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-501-5p	1.4	0.9	0.6	1.5	1.0	1.0	1.3	2.3	0.9	0.8	0.9	1.7	1.7	0.3	0.7	0.6	1.1	1.0	0.3	1.4	1.4	1.1	1.0	1.6	1.1	1.4	2.9	0.3	0.6	1.1	0.3	1.7	1.4	1.0	1.0	1.1	1.3	0.8	0.7	1.0
hsa-miR-582-5p	1.4	1.5	0.7	1.8	1.6	1.5	1.9	1.6	3.3	1.4	1.9	2.5	2.4	0.6	3.3	1.8	1.6	2.4	1.6	2.5	3.1	1.8	1.6	2.2	3.9	3.7	4.6	1.9	2.7	2.6	1.7	1.5	8.8	2.5	2.0	2.0	2.6	1.6	2.7	1.6
hsa-miR-625-5p	1.4	1.6	1.1	2.3	1.4	1.7	1.9	2.3	2.0	4.4	2.5	2.4	1.7	3.2	2.8	3.2	1.8	2.7	1.5	2.6	3.5	2.0	2.8	2.7	2.2	2.2	3.2	3.6	4.1	3.2	2.8	4.1	5.6	2.8	2.3	1.4	3.6	1.9	2.3	2.9
hsa-miR-187-3p	1.2	0.3	1.0	0.2	8.2	7.2	6.0	1.9	2.3	0.0	0.9	1.1	5.1	0.5	3.2	1.0	0.6	0.4	2.2	2.0	0.0	1.4	0.2	2.3	5.4	3.2	10.1	1.8	2.0	0.0	1.6	1.4	1.1	1.8	2.9	1.1	0.5	0.2	0.2	1.4
hsa-miR-299-5p	1.2	0.9	0.7	1.6	1.4	0.9	0.6	0.9	1.1	1.8	2.4	1.0	1.1	0.3	1.5	1.3	1.5	0.9	1.2	0.3	1.7	0.8	1.9	0.0	0.7	1.1	2.1	1.2	1.5	1.5	0.8	1.9	2.6	2.1	1.3	1.1	2.6	0.6	1.7	1.8
hsa-miR-331-5p	1.2	2.2	1.1	2.2	2.9	1.8	0.9	1.7	1.5	1.8	1.8	1.4	1.7	1.1	1.8	1.2	0.6	1.9	2.1	1.8	1.6	1.2	1.7	2.2	1.1	1.4	1.8	2.8	2.0	1.1	2.8	1.6	1.1	1.1	1.7	1.2	2.0	3.1	1.1	1.2
hsa-miR-342-5p	1.2	1.3	2.4	1.0	2.2	1.0	2.2	0.8	1.4	0.6	3.3	4.3	3.7	2.4	3.2	1.9	1.8	1.3	2.1	2.3	3.4	1.7	3.5	2.8	0.9	0.9	3.4	2.7	3.2	4.4	3.8	3.2	5.3	1.0	1.8	0.8	2.9	1.6	3.6	1.7
hsa-miR-4670-5p	1.2	0.4	0.5	0.4	0.6	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.6	0.0	0.0	0.5	0.3	0.0	0.0	0.4	0.7	0.6	0.0	0.3	0.0	0.2	0.0	0.0	0.6	0.4	0.2	0.0	0.2	0.7
hsa-miR-4787-3p	1.2	1.2	0.2	0.9	1.0	0.5	0.9	2.2	0.5	0.8	0.6	2.4	1.8	0.6	0.9	1.3	1.7	0.6	0.4	0.6	1.6	0.9	1.8	1.1	0.7	1.6	1.6	2.6	2.8	2.6	2.1	1.5	2.4	1.1	2.1	0.9	1.5	2.5	2.1	0.8
hsa-miR-489	1.2	1.1	0.4	1.6	1.4	2.1	0.0	0.8	1.4	1.4	1.0	2.4	1.3	0.0	2.0	0.4	0.2	0.4	0.8	2.5	3.7	0.9	0.8	1.3	2.0	0.4	1.0	1.5	1.0	0.7	0.7	1.4	0.5	0.7	1.2	0.9	1.1	1.1	1.9	1.4
hsa-miR-515-5p	1.2	0.1	0.2	0.3	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	2.0	0.2	0.0	0.4	0.2	0.0	0.0	0.3	0.5	0.5	0.3	0.0	0.0	0.4	0.8	0.9	0.6	0.0	0.3
hsa-miR-659-5p	1.2	2.0	1.6	1.9	1.6	1.5	1.5	2.0	1.5	2.8	2.0	1.3	1.5	2.4	2.7	1.8	2.6	2.7	1.1	2.3	1.0	2.1	3.2	0.7	0.7	2.3	2.3	2.5	2.6	2.4	2.1	3.0	2.9	3.1	3.2	2.6	2.5	3.0	2.4	0.7
hsa-miR-7-5p	1.2	1.6	2.4	4.2	3.1	2.1	3.5	2.3	1.2	1.8	2.0	1.4	2.2	3.8	1.8	3.2	1.7	0.4	2.6	1.8	4.7	1.5	4.1	4.0	1.7	1.2	3.3	1.9	1.7	2.4	3.6	4.3	0.9	1.6	2.8	2.3	2.0	1.9	7.6	5.5
hsa-miR-769-3p	1.2	1.5	0.7	1.3	0.9	0.5	0.4	0.8	0.3	2.0	1.0	1.8	0.9	0.5	0.2	0.6	1.2	0.3	0.5	0.5	1.8	1.2	0.5	0.3	4.1	0.7	2.0	0.7	1.3	0.9	0.9	0.8	0.6	0.8	1.0	0.8	0.5	1.1	0.3	0.7
hsa-miR-1257	1.1	1.0	1.3	1.9	2.7	1.5	0.6	1.2	2.0	0.6	0.9	1.5	1.5	0.5	0.7	0.5	0.6	0.6	0.5	0.9	1.4	0.5	1.4	0.4	1.5	0.5	0.7	1.3	0.6	1.5	0.0	0.0	2.3	0.0	1.3	1.8	1.2	1.6	0.5	0.7
hsa-miR-1277-5p	1.1	0.8	3.3	3.5	4.5	4.0	3.2	3.1	2.7	7.4	3.3	5.1	7.2	5.7	3.2	3.6	6.4	1.9	3.4	3.9	4.5	3.6	2.7	3.4	6.9	3.7	5.2	4.2	4.6	2.2	5.4	5.2	2.0	3.3	2.2	2.3	3.2	5.1	3.1	2.2
hsa-miR-138-5p	1.1	0.3	1.4	0.2	0.8	0.6	0.6	1.1	0.0	0.0	0.3	0.3	0.0	0.0	1.2	0.2	0.9	0.0	0.3	0.6	1.0	0.8	0.0	0.3	0.0	0.2	0.4	1.2	1.3	0.0	0.5	0.5	5.5	0.0	0.4	0.0	0.5	1.6	0.3	0.4
hsa-miR-144-5p	1.1	1.2	1.7	2.1	4.0	56.8	13.0	3.3	53.1	81.9	50.6	213.7	90.6	49.7	118.3	65.4	30.1	53.3	48.1	65.8	443.7	103.9	132.9	171.5	14.3	57.8	35.8	46.9	77.8	117.8	71.5	71.7	96.8	30.4	11.0	47.6	19.3	48.2	51.1	42.9
hsa-miR-188-3p	1.1	0.4	0.2	0.6	0.8	0.6	0.4	0.8	0.5	0.0	0.8	0.4	0.7	0.6	0.5	0.3	0.6	0.4	0.6	0.7	0.4	0.9	0.4	0.7	1.3	0.2	1.1	0.7	0.3	0.0	0.4	0.7	1.4	0.0	0.2	0.6	0.5	0.6	0.3	0.5
hsa-miR-223-5p	1.1	0.4	0.7	1.2	0.9	0.4	3.7	0.3	1.4	0.0	0.5	0.8	1.7	0.8	0.7	1.0	1.5	0.0	0.4	1.2	2.0	0.5	1.7	1.1	0.4	1.0	4.0	0.0	1.0	2.1	0.5	0.9	3.0	0.3	0.4	0.7	1.9	0.2	1.6	0.8
hsa-miR-302c-3p	1.1	4.8	5.2	3.9	1.8	4.8	3.9	7.5	1.8	2.0	0.8	2.5	7.4	1.4	0.6	3.2	2.3	2.4	5.0	2.7	3.0	3.8	5.6	0.8	6.3	0.7	0.9	4.7	2.9	0.8	3.4	3.4	0.9	1.3	9.8	3.5	2.8	4.5	3.8	1.8
hsa-miR-411-3p	1.1	0.9	1.4	1.2	1.7	0.7	1.5	0.8	1.1	1.6	1.6	3.2	0.7	0.9	1.3	0.9	2.3	0.0	0.6	2.5	4.7	1.8	2.6	0.3	1.7	1.4	2.0	1.1	1.2	1.1	1.2	1.7	1.7	2.3	1.0	1.3	2.1	1.4	1.8	1.8
hsa-miR-4459	1.1	1.1	1.5	1.3	0.0	1.2	1.9	0.6	0.0	0.4	0.4	1.3	0.0	0.5	0.0	1.4	0.2	0.3	1.1	0.5	0.4	1.5	0.2	0.8	0.0	0.2	0.0	1.9	1.1	0.5	2.6	0.4	0.9	0.3	1.8	1.0	0.9	0.0	0.0	1.7
hsa-miR-4521	1.1	0.7	0.5	1.4	0.9	0.3	1.1	0.3	0.6	1.8	1.0	0.0	0.6	0.3	0.0	0.0	1.5	1.0	0.0	1.0	1.4	0.0	0.5	0.0	0.7	0.4	1.5	0.0	0.2	0.0	0.0	0.0	0.0	1.6	3.7	0.7	0.0	0.6	0.0	0.2
hsa-miR-4800-3p	1.1	4.5	1.2	0.5	1.3	1.6	0.4	0.9	0.6	0.8	3.3	8.1	13.8	3.6	20.9	8.7	0.2	1.6	1.1	0.7	24.1	8.7	8.4	7.8	0.4	0.9	3.0	5.0	3.4	6.0	6.5	7.6	1.5	0.8	1.4	0.9	3.0	4.0	4.8	4.3
hsa-miR-485-5p	1.1	2.3	1.5	2.5	2.6	1.8	0.9	1.1	0.9	1.2	3.0	3.9	1.1	3.6	3.0	1.4	0.8	1.8	0.8	2.5	4.4	3.2	4.5	1.7	1.1	2.1	2.1	1.9	3.8	3.4	2.0	1.9	3.7	1.3	1.4	1.6	3.7	2.7	4.5	3.5
hsa-miR-542-5p	1.1	3.7	3.0	1.6	2.6	2.3	2.4	1.9	1.8	4.2	2.5	2.9	3.5	3.5	2.0	4.4	1.9	2.4	3.4	4.2	2.0	4.4	2.3	2.2	5.0	2.1	3.8	3.8	2.3	2.4	3.8	3.8	1.4	1.1	2.8	2.5	4.3	2.8	1.7	2.6
hsa-miR-584-3p	1.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-103a-2-5p	0.9	1.2	1.7	1.5	1.7	1.8	3.7	2.2	1.5	2.4	1.3	2.8	1.7	0.9	0.3	1.5	1.4	1.6	3.1	1.3	1.7	2.4	2.3	2.0	2.6	1.0	1.6	1.3	2.1	1.5	0.4	1.8	0.8	1.0	1.9	1.7	2.1	1.4	1.2	0.7
hsa-miR-1273g-3p	0.9	4.9	1.6	2.4	3.5	0.3	0.0	0.9	0.3	0.8	2.0	3.6	13.8	3.8	10.0	4.8	1.9	0.3	0.8	0.6	11.7	6.3	8.6	10.1	0.0	1.0	2.7	1.0	1.4	2.5	6.1	7.5	2.0	1.0	0.8	1.2	0.9	1.7	0.4	3.6
hsa-miR-1343	0.9	1.2	3.1	3.6	2.7	3.4	1.5	0.3	0.3	0.8	1.2	1.5	2.4	3.3	0.3	1.9	0.8	0.9	1.3	0.8	0.8	3.0	4.9	3.2	0.9	0.9	0.6	2.9	2.0	4.1	1.1	1.2	0.0	0.7	2.2	1.8	1.1	1.9	3.4	2.9
hsa-miR-150-3p	0.9	1.4	0.7	0.2	0.2	1.3	0.9	0.5	0.8	0.8	0.7	1.0	0.7	0.6	1.2	0.7	0.2	0.9	0.0	0.9	0.7	1.2	0.7	0.3	0.4	0.0	0.2	0.7	1.1	1.7	0.3	1.4	2.0	0.7	0.7	0.9	1.3	1.2	1.1	0.8
hsa-miR-1910	0.9	0.6	1.4	1.2	0.7	0.3	0.0	1.2	0.3	0.4	0.2	0.6	1.3	0.5	0.0	0.6	0.6	0.4	0.8	0.7	0.6	0.9	1.0	0.0	0.4	0.2	0.4	0.7	0.9	2.3	1.3	0.7	0.0	0.5	0.8	0.4	0.4	0.8	0.7	1.2
hsa-miR-200b-3p	0.9	0.9	0.5	1.3	2.5	1.2	0.0	0.3	0.6	0.4	1.3	1.0	1.1	1.6	1.1	0.0	1.7	0.9	0.9	0.6	1.0	0.8	0.9	0.7	0.9	0.5	1.6	0.4	0.7	1.0	0.4	0.7	1.7	1.0	1.0	0.5	0.6	0.4	1.5	0.7
hsa-miR-296-5p	0.9	2.8	2.1	2.1	2.0	1.2	3.2	4.2	0.8	0.6	1.7	4.3	3.1	3.0	3.6	4.0	1.0	1.5	2.2	1.8	5.4	4.2	4.7	3.6	1.5	2.0	4.1	5.3	5.3	1.8	4.2	3.9	1.2	0.7	2.7	1.9	4.9	4.2	4.2	3.1
hsa-miR-3117-3p	0.9	2.9	0.5	6.2	4.4	1.5	0.0	8.3	2.0	8.5	1.5	8.2	12.3	5.4	3.5	0.7	10.3	3.7	1.6	7.9	4.7	8.6	9.2	1.7	1.5	7.0	4.0	11.3	7.3	4.9	11.6	2.2	3.3	5.2	2.5	4.4	4.0	10.2	6.4	1.5
hsa-miR-33a-3p	0.9	1.4	2.2	1.6	1.7	2.6	1.7	1.9	1.5	1.2	1.8	2.6	2.6	0.3	1.0	0.9	1.0	1.5	0.6	1.9	1.0	2.1	0.8	0.3	2.0	0.7	4.3	1.6	1.7	2.1	1.2	0.7	1.7	0.8	2.3	1.7	1.8	1.4	0.4	1.8
hsa-miR-362-3p	0.9	0.6	1.0	0.7	1.3	1.4	0.4	0.5	0.9	0.0	1.8	1.5	2.2	2.0	2.1	0.8	0.3	1.3	0.6	1.2	2.1	2.6	1.4	1.3	3.5	2.0	2.2	1.7	1.7	0.8	1.3	1.6	3.7	0.3	1.0	0.9	1.2	1.8	1.9	1.9
hsa-miR-3913-5p	0.9	0.5	0.3	0.5	0.7	0.5	0.0	0.8	0.0	0.0	0.7	0.6	0.0	0.6	1.3	1.0	0.5	0.7	0.8	0.6	1.0	0.9	0.2	0.5	0.4	0.0	0.7	0.7	0.4	1.1	2.0	0.4	3.0	0.0	1.7	0.6	1.3	0.4	0.4	0.4
hsa-miR-4728-3p	0.9	0.9	0.5	0.7	1.2	0.7	0.0	1.2	0.5	0.0	1.1	0.3	0.7	0.3	0.7	0.8	0.7	0.6	0.6	0.4	0.3	1.1	0.5	1.5	0.0	0.5	0.5	1.6	0.4	0.7	0.9	0.3	0.3	0.0	1.4	0.4	2.1	0.7	0.2	0.0
hsa-miR-488-3p	0.9	1.5	0.6	1.3	2.0	3.1	1.9	2.0	2.0	1.6	0.8	2.1	2.4	1.9	0.9	1.7	0.7	1.9	2.5	1.0	1.0	1.8	1.9	1.3	3.7	1.8	1.0	1.3	3.3	1.1	1.3	1.7	0.9	1.1	2.0	0.6	1.5	1.8	1.7	0.6
hsa-miR-491-3p	0.9	1.0	0.8	0.9	1.3	1.0	1.1	0.5	0.8	0.8	0.3	0.8	1.1	0.6	0.3	0.3	1.1	1.5	0.6	0.5	1.3	0.8	0.5	0.8	0.4	0.2	1.0	1.9	0.9	0.9	0.8	1.1	0.0	1.3	0.6	0.9	0.6	0.7	0.6	0.6
hsa-miR-543	0.9	0.7	0.5	1.7	1.3	0.9	1.1	1.6	0.9	0.8	1.2	1.3	1.8	0.8	0.8	0.4	0.5	0.0	0.0	0.3	3.4	1.1	1.3	0.8	2.0	1.5	1.6	0.3	1.5	1.0	0.5	1.0	0.5	0.0	0.8	0.2	1.8	0.7	0.7	1.4
hsa-miR-550a-5p	0.9	2.4	1.8	2.3	3.3	1.4	3.2	5.0	1.1	2.4	2.0	1.7	1.1	2.4	1.1	2.5	1.2	2.2	1.9	2.4	3.5	2.1	4.9	3.5	1.1	1.7	1.0	1.0	4.4	1.6	1.7	2.2	1.5	2.5	1.4	2.2	2.5	3.0	2.9	2.3
hsa-miR-642a-5p	0.9	1.2	0.5	0.5	0.9	0.5	1.1	1.9	0.3	0.4	0.0	2.8	1.1	2.8	0.5	1.2	0.5	0.0	0.8	0.2	0.3	0.6	2.4	1.3	0.7	0.5	1.3	1.6	1.0	1.4	0.5	1.2	0.3	0.0	0.2	0.4	0.7	1.2	1.9	0.7
hsa-miR-1262	0.8	0.1	0.5	0.0	0.2	0.3	0.0	0.3	0.3	0.0	0.4	0.7	0.4	1.3	0.3	0.2	0.8	0.4	0.2	0.5	0.0	0.0	0.5	0.3	0.7	0.4	0.2	0.3	0.0	0.3	0.4	0.0	0.5	0.0	0.3	0.2	0.0	0.0	0.2	0.4
hsa-miR-1323	0.8	0.2	0.4	0.7	0.4	0.6	0.4	0.0	0.0	0.0	0.2	0.0	0.4	0.3	0.0	0.4	0.0	0.9	0.0	1.2	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.3	0.5	0.2	0.0	0.7	0.5	0.4	0.5	0.4	0.0	0.0
hsa-miR-154-5p	0.8	1.4	1.1	1.4	1.1	0.8	0.9	0.8	0.9	1.6	2.1	3.5	2.6	1.6	2.6	1.0	0.5	0.6	1.2	1.0	3.7	3.3	2.2	1.5	1.5	1.4	4.9	2.0	3.1	2.4	0.9	2.2	4.6	1.0	1.1	1.3	3.7	2.2	1.7	1.5
hsa-miR-200c-3p	0.8	0.4	0.4	0.6	0.4	0.5	1.9	0.0	0.0	0.0	1.0	0.0	1.3	0.6	0.7	0.6	1.0	0.3	0.4	0.2	1.0	1.1	1.0	0.7	1.1	0.6	0.9	1.1	0.5	0.9	0.7	0.7	0.9	1.3	0.2	0.3	0.4	1.4	0.0	0.6
hsa-miR-20a-3p	0.8	1.3	0.8	0.7	1.6	0.8	1.9	1.7	1.1	1.8	1.4	1.8	1.3	0.0	1.0	0.9	1.0	1.3	0.9	1.1	1.8	0.6	0.8	0.5	1.5	1.1	1.3	1.8	1.7	0.7	1.5	1.0	1.2	0.5	1.9	0.6	1.9	1.8	0.9	0.5
hsa-miR-23b-5p	0.8	1.3	1.1	1.2	1.3	0.8	1.3	1.7	0.3	0.4	0.6	1.1	2.4	1.1	1.7	1.2	0.8	0.0	0.4	0.8	0.0	0.8	1.0	0.3	0.7	0.6	1.3	1.7	1.3	1.1	1.1	1.7	0.0	0.3	0.4	0.9	1.4	1.1	1.3	1.3
hsa-miR-3188	0.8	0.1	0.8	0.6	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	1.1	0.5	0.0	0.5	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0
hsa-miR-3199	0.8	0.3	0.2	0.7	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.3	0.7	0.0	0.3	0.0	0.2	0.0	0.3	0.5	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.7	0.3	0.0	0.0	0.0	0.5	0.0	0.2	0.5
hsa-miR-320b	0.8	0.5	0.6	1.8	1.2	0.9	1.7	0.8	1.8	2.2	2.1	1.8	2.8	2.7	3.1	2.2	1.6	1.2	1.1	1.8	3.0	2.3	2.8	3.0	0.4	2.6	2.0	0.8	2.9	2.4	2.6	1.7	1.1	1.5	1.4	1.4	2.8	1.8	2.7	2.1
hsa-miR-329	0.8	0.8	0.4	0.7	1.5	0.3	0.0	0.0	0.6	0.4	1.4	0.4	0.4	0.3	0.7	0.5	0.2	0.3	0.2	0.4	1.1	1.1	0.8	0.0	0.0	0.2	1.0	0.2	0.9	0.7	0.4	0.9	1.5	0.0	0.2	0.4	0.6	0.2	0.6	0.3
hsa-miR-33a-5p	0.8	0.1	2.2	1.6	3.4	2.5	2.4	3.4	1.2	2.6	2.9	5.3	1.8	1.7	3.7	3.1	1.8	0.7	1.0	3.5	3.4	2.4	3.7	2.8	2.6	1.5	4.3	4.8	3.7	0.7	5.0	3.7	0.9	2.1	1.6	2.4	4.7	4.6	5.6	1.8
hsa-miR-3609	0.8	0.8	0.7	1.0	0.8	0.9	0.0	0.0	0.0	0.8	2.3	0.0	0.0	0.3	0.7	0.2	0.2	0.0	0.6	1.0	0.3	0.3	0.4	0.7	0.4	0.5	2.1	0.0	0.0	1.3	0.0	0.0	2.1	0.0	0.9	0.8	0.0	0.0	0.0	0.0
hsa-miR-4695-3p	0.8	0.5	0.5	1.0	1.3	0.4	0.6	0.0	0.0	0.4	0.3	0.6	1.3	0.0	0.0	0.6	0.5	0.9	0.2	0.4	0.8	0.3	0.3	0.9	0.4	0.6	3.3	0.4	0.3	0.0	0.9	0.8	0.6	0.7	0.7	1.8	0.0	0.5	0.0	0.5
hsa-miR-520c-3p	0.8	0.5	0.5	1.0	1.5	0.9	0.4	1.6	0.0	0.0	0.2	0.0	1.1	0.0	0.2	0.6	0.0	0.0	0.2	1.5	0.0	1.2	0.2	0.0	0.0	0.0	0.2	0.2	0.9	0.0	0.4	0.5	0.0	0.0	1.1	1.2	1.1	0.7	0.0	0.4

hsa-miR-7-1-3p	0.8	2.5	2.8	2.1	1.9	3.1	3.0	2.3	2.6	1.4	2.6	2.4	2.2	1.9	2.9	2.6	2.4	1.6	1.8	3.0	4.9	2.7	3.2	2.4	3.3	3.9	5.6	2.1	4.0	2.4	2.8	3.4	4.9	1.3	3.7	3.4	3.3	3.1	2.0	3.3
hsa-miR-760	0.8	0.9	0.9	1.0	1.7	0.4	0.9	1.4	0.6	2.0	1.9	2.1	1.8	1.6	0.7	2.0	1.6	2.1	0.9	2.1	2.5	2.6	1.4	2.4	0.4	1.6	1.5	1.6	1.4	1.4	3.2	1.7	0.0	1.1	0.6	1.2	1.4	1.3	0.6	1.2
hsa-miR-1254	0.6	0.0	0.3	0.0	0.2	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.0	0.3	0.0	0.9	0.0	0.4	0.0	0.7	0.2	0.8	0.3	0.3	0.0	0.0	0.2	0.0	0.6	0.2	0.4	0.3
hsa-miR-1306-3p	0.6	2.3	1.4	0.6	0.7	1.0	1.7	0.8	0.3	1.0	0.3	1.0	0.0	0.6	0.2	1.6	0.7	1.2	0.6	0.6	0.8	0.5	0.4	1.2	0.7	0.7	0.6	1.0	1.6	1.7	0.8	1.7	0.0	1.1	0.8	1.8	1.6	1.7	0.9	2.8
hsa-miR-2467-5p	0.6	0.2	2.7	2.0	3.5	1.1	3.2	2.5	3.6	3.2	2.3	1.3	3.5	2.0	2.9	2.8	3.0	2.8	2.0	2.5	2.0	2.9	2.9	4.2	3.5	2.6	3.7	2.2	2.1	1.5	2.6	3.4	1.5	3.4	1.9	2.0	2.8	3.5	2.4	1.2
hsa-miR-3127-5p	0.6	1.4	0.2	0.9	0.4	0.4	1.1	0.9	0.6	0.8	1.3	1.1	0.7	0.6	1.2	1.3	1.4	1.2	0.9	0.0	1.0	0.9	0.5	1.3	0.7	1.2	1.0	0.3	1.7	1.8	0.8	1.6	0.3	1.0	1.2	0.8	0.6	1.3	0.4	0.7
hsa-miR-31-5p	0.6	0.3	0.0	0.6	0.2	0.3	0.0	0.0	0.0	0.4	13.3	0.3	0.6	0.5	30.4	0.3	0.8	0.6	0.2	0.4	0.8	0.3	0.6	0.3	2.0	2.1	13.5	0.0	4.9	0.3	0.8	1.8	62.5	0.5	0.2	0.0	0.0	0.6	0.6	0.4
hsa-miR-3196	0.6	0.4	0.0	0.2	0.6	0.2	0.9	0.6	0.3	0.0	0.5	0.8	0.4	0.0	0.9	0.8	0.0	0.0	0.3	0.5	2.1	0.9	0.6	0.3	0.0	0.0	0.2	1.1	0.4	0.0	0.0	0.7	0.8	0.3	0.6	0.0	0.2	0.7	1.7	0.4
hsa-miR-346	0.6	0.1	0.3	1.0	0.3	0.0	0.0	0.0	0.0	0.4	1.3	1.0	0.4	0.3	0.3	0.5	1.0	0.3	0.5	0.2	0.3	0.9	0.4	0.5	0.0	0.2	1.0	0.7	0.5	0.8	0.3	1.0	1.1	0.3	1.0	0.5	0.4	1.6	0.8	0.6
hsa-miR-3613-5p	0.6	1.6	8.0	15.2	8.2	11.3	16.0	8.0	4.7	5.8	13.5	17.4	16.4	9.3	7.6	8.3	6.0	6.0	8.9	7.0	22.1	13.4	11.2	11.8	16.5	7.4	26.8	15.0	22.6	9.1	10.2	9.6	10.3	6.9	10.3	6.6	15.4	13.1	11.5	8.3
hsa-miR-3688-3p	0.6	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3	1.1	0.0	0.3	0.6	0.2	0.0	0.4	0.4	0.4	1.1	0.6	1.0	0.9	0.0	0.2	0.5	0.2	0.5	0.6	0.8	0.7	0.8	0.0	0.6	0.2	0.5	0.6	0.5	0.4
hsa-miR-4645-5p	0.6	0.4	0.3	0.0	0.6	0.8	1.3	1.1	0.8	0.8	0.8	0.8	0.4	1.1	1.0	0.4	0.8	0.4	0.5	1.6	0.8	0.5	2.3	1.9	0.4	1.6	2.0	1.1	1.0	0.9	0.9	1.1	0.6	0.0	0.6	0.6	0.7	1.1	0.6	0.7
hsa-miR-494	0.6	4.0	1.7	1.7	1.5	0.9	1.1	0.9	2.0	4.8	1.9	1.4	2.8	1.1	2.2	1.3	3.3	1.2	1.1	1.5	4.4	2.3	1.6	1.7	4.8	2.6	4.0	1.5	1.3	1.8	0.9	1.5	3.5	0.8	0.9	0.7	2.5	1.0	0.3	0.7
hsa-miR-5000-3p	0.6	0.4	1.2	0.2	1.0	0.7	1.1	1.1	1.2	0.8	1.0	0.8	0.6	0.3	0.8	0.7	0.6	0.3	0.4	0.5	1.3	0.0	2.4	0.0	0.7	0.9	0.9	0.0	0.7	0.6	0.4	0.9	1.1	0.8	1.0	0.4	1.1	0.5	0.6	0.6
hsa-miR-505-5p	0.6	0.0	0.7	0.2	0.5	0.4	0.0	1.1	0.3	0.0	0.0	0.7	0.4	0.0	0.3	0.0	0.6	0.6	0.4	0.3	0.6	0.3	0.4	0.0	0.4	1.0	0.2	0.8	0.6	0.2	0.4	0.5	0.6	0.0	0.2	0.6	0.2	0.0	0.0	0.7
hsa-miR-5091	0.6	0.2	0.2	0.2	0.2	0.7	0.0	0.0	0.0	0.6	0.0	0.0	0.4	0.3	0.2	0.6	0.0	0.9	0.6	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.5	0.6	0.0	0.5	1.1	0.3	1.2	0.5	0.4	0.0	0.4	0.0	0.0	0.8
hsa-miR-516a-5p	0.6	0.1	0.2	1.4	1.5	1.7	0.0	0.3	0.0	0.0	0.5	0.3	0.9	1.7	0.0	0.5	0.2	1.3	0.2	2.3	0.0	2.1	0.0	0.5	0.0	0.0	0.2	0.6	1.1	0.2	0.0	1.1	0.0	0.7	0.8	1.4	0.4	0.6	0.0	0.4
hsa-miR-516b-5p	0.6	0.0	0.0	0.6	0.3	0.8	0.0	0.6	0.0	0.0	0.0	0.0	0.7	0.3	0.5	0.4	0.2	0.4	0.0	1.9	0.0	1.1	0.0	0.3	0.0	0.4	0.2	0.2	0.5	0.2	0.0	0.4	0.0	0.3	0.5	0.7	0.2	1.3	0.0	0.6
hsa-miR-519c-3p	0.6	0.2	0.2	1.0	1.3	0.7	0.9	0.6	0.0	0.0	0.2	0.3	0.9	0.5	0.0	0.0	0.0	0.0	0.3	0.8	0.0	1.2	0.0	0.0	0.0	0.2	0.0	0.8	0.6	0.0	0.0	0.0	0.0	0.3	0.4	0.9	0.4	0.5	0.3	0.0
hsa-miR-585	0.6	0.2	0.6	0.3	0.3	0.2	0.6	0.3	0.5	0.4	1.9	0.3	0.0	0.3	4.0	0.2	0.5	0.3	0.0	0.5	1.7	0.0	0.2	0.0	0.4	0.7	2.6	0.4	0.5	0.2	1.3	0.0	2.0	0.0	0.4	0.3	1.3	0.2	0.2	0.4
hsa-miR-589-3p	0.6	0.7	0.8	0.8	1.4	0.9	0.4	0.0	0.9	0.4	0.5	1.1	0.0	0.8	0.5	0.7	0.5	0.0	0.8	1.0	0.3	1.7	0.3	0.0	0.4	1.4	1.0	1.6	1.5	0.7	0.0	0.7	0.9	0.7	0.5	0.6	1.1	0.6	0.3	0.2
hsa-miR-766-3p	0.6	2.5	0.8	3.5	2.0	1.7	2.6	6.1	3.2	1.4	3.4	5.0	5.7	4.6	2.8	4.1	2.7	3.7	2.9	3.1	2.4	2.9	2.7	1.9	3.5	2.8	4.8	4.4	1.6	4.0	2.8	3.3	6.4	2.6	2.2	2.4	5.5	2.5	1.5	2.3
hsa-miR-942	0.6	0.0	0.5	0.0	0.0	0.4	0.0	0.0	0.8	0.4	0.0	1.1	0.9	0.6	0.2	0.2	0.5	0.4	0.2	0.4	1.4	0.6	0.3	0.5	0.0	0.0	0.2	0.4	0.0	1.5	0.7	0.6	1.1	0.0	0.2	0.9	0.6	1.1	0.5	0.4
hsa-miR-106a-5p	0.5	2.6	5.7	6.9	6.2	6.4	1.9	0.8	0.6	1.2	1.9	2.2	1.7	0.3	1.1	1.1	1.7	1.6	5.4	8.3	4.1	2.1	1.3	3.0	0.9	1.5	5.0	0.8	2.2	1.0	0.8	2.3	0.9	2.5	6.3	6.0	1.1	1.3	1.3	1.5
hsa-miR-1251	0.5	0.3	0.2	0.0	0.4	0.5	0.0	0.5	0.5	0.0	0.0	0.0	0.4	0.0	0.5	0.0	0.0	0.3	0.3	0.5	0.0	0.0	0.0	0.0	0.4	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.2	0.4
hsa-miR-1270	0.5	0.0	0.4	0.0	0.6	0.2	0.0	0.0	0.3	0.0	0.7	0.8	0.0	0.3	2.0	0.0	0.3	0.3	0.3	1.1	0.7	0.6	1.7	0.0	0.4	0.4	0.9	0.6	0.5	0.9	0.9	0.2	0.5	0.0	0.0	0.6	0.2	0.7	1.8	0.3
hsa-miR-1284	0.5	0.2	0.3	0.3	0.7	0.3	0.0	0.3	0.5	0.0	0.2	0.3	0.7	0.6	0.0	0.0	0.3	0.3	0.4	0.4	0.0	0.6	0.7	0.4	0.4	0.2	0.0	0.7	0.5	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.2	0.3	0.0
hsa-miR-1291	0.5	0.0	0.4	1.0	1.1	0.6	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.2	0.0	0.5	0.0	0.0	0.2	0.6	0.0	0.7	0.5	0.0	0.0	0.0	0.2	0.2	0.6	0.0	0.8	0.6	0.0	0.2	0.2	0.8	0.0	0.5	0.2
hsa-miR-1297	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-190b	0.5	0.4	0.8	1.4	2.2	1.8	0.9	0.6	3.5	1.8	2.8	3.2	1.5	7.7	6.4	2.7	4.8	1.8	2.2	0.5	2.1	5.7	3.2	1.6	0.9	0.7	5.0	5.2	3.5	2.9	3.3	4.2	2.6	2.5	1.8	1.8	3.2	8.8	1.8	2.8
hsa-miR-222-5p	0.5	1.1	1.1	0.8	0.2	0.0	1.1	0.9	0.0	0.0	0.4	0.0	0.0	0.8	1.5	0.0	0.2	0.0	0.0	0.0	0.0	0.5	0.6	0.7	0.0	0.0	0.2	0.4	0.7	0.0	0.0	0.4	0.0	0.3	0.2	0.0	0.0	0.7	0.7	0.0
hsa-miR-3173-5p	0.5	0.0	0.2	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.3	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.0
hsa-miR-3176	0.5	1.1	2.5	4.0	6.0	0.7	0.4	0.0	0.8	2.8	6.1	2.8	2.4	1.9	1.1	0.3	2.2	2.4	2.5	2.0	3.2	2.3	0.5	0.8	0.0	0.4	30.7	1.9	1.3	1.5	0.9	0.7	1.2	2.9	2.2	2.0	2.3	2.5	0.0	2.2
hsa-miR-323b-3p	0.5	0.3	0.4	0.6	1.5	0.3	0.9	0.3	0.0	0.0	0.4	1.3	0.4	0.5	0.8	0.6	0.2	0.0	0.5	0.0	0.6	0.6	0.3	0.0	0.4	0.2	1.0	1.1	1.3	0.5	0.5	0.2	0.8	0.3	0.0	0.3	0.6	0.6	0.4	0.7
hsa-miR-33b-3p	0.5	0.4	0.2	0.3	0.0	0.5	0.4	0.0	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.0	0.2	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-3614-5p	0.5	0.2	0.5	0.5	0.8	0.5	0.0	0.0	0.9	0.6	0.9	0.4	1.7	1.3	0.7	1.0	0.0	0.6	0.3	0.8	1.0	0.3	1.7	2.3	0.7	0.2	1.1	0.3	0.9	0.8	0.9	2.2	0.5	0.3	0.6	0.8	0.2	0.5	0.7	1.7
hsa-miR-373-3p	0.5	0.0	0.4	0.7	0.0	1.6	0.0	0.3	0.0	0.0	0.0	0.0	1.5	0.3	0.5	1.5	0.2	2.2	0.7	1.5	2.3	2.4	0.2	0.3	0.7	0.2	0.2	0.3	2.5	0.5	0.7	0.6	0.3	0.7	0.7	0.6	0.7	0.4	0.0	0.0
hsa-miR-380-3p	0.5	0.2	0.0	0.2	0.2	0.0	0.6	0.0	0.3	0.6	0.7	0.8	0.4	0.0	0.2	0.0	0.7	0.0	0.2	0.4	0.6	0.6	0.7	0.0	0.4	0.0	0.9	0.2	0.5	0.3	0.4	0.7	0.5	0.0	0.2	0.4	0.5	0.0	0.3	0.2
hsa-miR-4423-5p	0.5	0.2	0.3	0.0	0.0	0.3	0.9	0.3	1.2	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.2	0.0	0.0	0.5	0.0	0.6	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
hsa-miR-4455	0.5	0.4	0.4	0.8	0.6	0.2	0.9	0.8	0.5	0.4	0.3	0.4	0.7	0.0	0.4	0.3	0.7	0.4	0.0	0.9	1.8	0.5	0.5	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1.0	0.7	0.5	0.2	1.2	0.0	0.0
hsa-miR-487a	0.5	1.3	0.8	1.2	1.5	1.0	0.9	0.8	0.8	1.0	1.4	2.2	2.6	0.6	2.4	0.3	1.8	1.8	0.7	1.5	5.6	0.6	1.9	0.9	2.6	1.6	2.6	0.8	1.6	0.8	0.8	1.3	0.8	0.5	0.7	1.4	1.8	0.5	1.3	0.4
hsa-miR-5006-3p	0.5	0.1	0.2	0.4	0.0	0.2	0.0	0.5	0.0	0.0	1.0	0.6	1.7	0.0	0.0	0.3	0.3	1.0	0.4	0.0	0.6	0.0	0.7	0.9	0.7	0.4	1.0	0.7	0.2	0.7	0.7	0.4	0.0	0.0	0.2	0.8	0.2	0.7	0.5	0.5
hsa-miR-5010-3p	0.5	0.1	0.4	0.9	1.3	0.5	0.0	0.0	1.1	0.4	0.5	1.1	0.7	0.9	1.7	1.0	0.7	0.3	0.4	1.0	1.4	0.8	0.7	1.2	1.1	0.5	2.4	0.8	0.4	0.7	1.1	0.7	1.7	0.8	0.9	1.4	1.4	0.5	0.2	0.0
hsa-miR-520a-3p	0.5	0.6	0.3	0.4	1.0	0.8	0.0	0.0	0.0	0.0	0.3	0.6	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.3	1.4	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.3	0.6	0.0	0.8	0.6	1.0	1.4	0.6	0.7	0.0
hsa-miR-548ag	0.5	1.8	0.0	3.0	3.9	1.2	0.0	1.2	0.5	2.0	1.1	0.6	0.7	1.3	0.8	1.2	1.0	1.0	0.8	0.5	1.6	0.8	0.3	1.2	0.4	1.0	2.0	0.8	0.0	0.5	0.0	2.8	1.8	1.5	0.9	0.8	1.2	0.6	0.0	0.6
hsa-miR-548g-5p#hsa-	0.5	0.5	0.5	1.4	0.9	0.9	0.6	0.6	0.0	0.8	0.7	1.4	1.5	0.9	0.2	0.4	1.1	1.5	1.1	0.4	1.7	0.6	1.4	0.5	0.9	0.5	1.0	0.7	1.4	0.5	1.1	0.7	0.0	0.0	0.6	1.1	0.7	1.3	1.2	0.5
hsa-miR-548h-5p	0.5	0.0	1.1	0.9	0.0	0.7	0.4	0.5	0.3	0.4	0.5	1.3	0.4	0.5	0.5	0.5	1.8	0.3	0.2	0.4	0.0	0.8	0.5	0.0	0.0	0.4	0.6	1.3	0.6	0.5	0.3	0.6	2.3	0.0	0.9	0.5	0.9	1.2	0.5	1.2
hsa-miR-548w	0.5	0.3	0.2	0.0	0.0	0.6	0.0	0.3	0.0	0.0	0.4	0.0	0.6	0.0	0.2	0.2	0.2	0.0	0.0	0.3	0.4	0.3	0.0	0.0	0.0	0.2	0.9	0.3	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.4	0.0	0.2	0.3
hsa-miR-5701	0.5	1.4	1.7	3.0	4.6	2.5	5.8	2.3	2.7	2.6	3.2	7.9	7.9	6.3	7.6	6.4	1.9	4.2	3.4	3.6	9.9	5.1	9.4	6.9	3.3	6.6	9.9	9.0	7.2	7.9	8.3	7.9	9.7	0.7	2.6	2.0	7.6	4.7	7.6	10.2
hsa-miR-625-3p	0.5	0.9	0.5	0.4	1.1	0.9	0.9	1.4	0.3	0.8	1.3	0.8	0.4	0.8	1.6	1.6	0.6	0.6	0.8	1.0	1.7	1.1	1.3	0.9	0.7	1.5	1.3	0.6	1.3	1.5	1.3	1.5	5.9	0.7	1.2	0.4	2.1	1.1	0.9	2.0
hsa-miR-7-2-3p	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.4	0.3	0.0
hsa-miR-92a-1-5p	0.5	0.7	0.8	0.5	0.5	0.3	1.1	0.5	0.3	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.3	0.0	0.5	0.5	0.4	0.6	0.5	0.5	0.4	0.7	0.6	0.4	0.4	1.1	0.0	1.2	0.8	1.3	0.2	0.4	0.7	0.2	1.2	0.3
hsa-miR-940	0.5	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.8	0.0	0.2	0.0	0.7	0.0	0.6	0.5	0.0	0.3	0.0	0.2	0.6	0.5	0.9	0.4	0.4	0.0	0.5	0.2	1.0	0.7	0.5	0.4	0.0	0.7	0.2	0.3	1.4	0.7	0.2	0.0
hsa-miR-10a-3p	0.3	4.8	2.0	0.5	0.2	1.7	1.7	2.0	0.8	1.6	2.5	1.7	2.4	2.7	0.9	0.8	1.4	0.3	4.5	0.6	1.7	0.8	1.0	1.1	0.7	0.6	2.3	2.0	0.7	2.3	5.1	3.6	2.4	1.5	1.7	5.0	7.5	0.2	0.6	4.9
hsa-miR-1185-2-3p	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-1243	0.3	0.7	0.3	0.0	1.1	0.4	0.4	0.0	0.5	0.0	0.0	0.0	1.7	1.1	0.3	0.3	0.8	0.7	0.4	0.3	0.4	0.9	0.9	0.7	0.0	1.0	0.0	0.7	0.7	1.3	1.3	0.3	0.0	0.0	0.6	0.2	0.5	0.8	0.5	0.4
hsa-miR-1249	0.3	0.5	0.6	0.0	0.4	0.3	1.5	0.3	0.9	0.0	0.8	1.1	0.4	0.3	1.9	1.8	0.7	0.0	0.5	0.9	2.4	0.8	1.5	0.8	0.7	0.0	0.7	0.8	0.6	1.9	1.5	2.2	2.0	0.3	0.3	0.4	1.9	1.4	1.9	1.1
hsa-miR-1255a	0.3	0.0	0.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.5	0.5	0.0	0.2	0.0	0.0	0.0	0.4	0.3	0.0	0.2	0.0	0.0	0.5	0.2	0.3	0.0	0.3	0.0	0.2	0.0	0.5	0.0	0.3	1.2
hsa-miR-1261	0.3	0.0	0.5	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.9	0.3	0.6	0.2	0.6	0.7	0.5	0.6	0.8	0.2	0.8	0.0	0.2	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	1.4	0.8	0.0	0.2	0.0	0.0
hsa-miR-1275	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.0	0.0	0.6	0.0	0.2	0.0
hsa-miR-1283	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-138-1-3p	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-147b	0.3	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.4	0.2	0.0	0.0	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.5	0.2	0.3	0.0	0.2	0.0	0.0	0.2	0.3	0.0
hsa-miR-1827	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-184	0.3	0.4	0.4	0.9	0.9	2.5	0.0	2.2	1.7	2.2	5.9	3.9	5.5	7.7	15.6	3.6	11.5	1.0	3.1	3.9	3.0	2.0	4.6	4.3	0.4	2.2	7.1	4.5	1.4	3.9	5.8	3.8	5.0	3.9	0.6	2.9	1.5	3.5	3.2	1.4
hsa-miR-18a-3p	0.3	0.6	0.2	0.4	0.9	0.5	0.9	0.5	0.8	0.4	0.7	0.6	0.0	0.3	0.6	0.4	0.2	1.2	0.2	0.7	1.4	0.0	0.7	0.5	0.7	0.6	1.0	0.4	0.4	0.5	0.5	0.4	0.9	0.0	0.2	0.7	0.5	0.5	0.3	0.5
hsa-miR-1914-5p	0.3	0.2	1.1	0.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
hsa-miR-218-2-3p	0.3	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
hsa-miR-2355-3p	0.3	0.3	0.2	0.8	0.2	0.3	0.9	0.5	0.6	0.0	0.4	0.8	0.4	0.0	0.4	0.4	1.4	0.6	0.2	0.8	1.0	0.9	0.5	0.3	0.4	0.0	0.6	1.0	1.0	0.0	0.4	0.4	0.0	0.0	0.4	0.2	0.7	1.2	0.0	0.4
hsa-miR-25-5p	0.3	0.6	0.2	0.2	1.0	0.4	0.4	0.6	0.5	0.0	0.4	0.8	0.9	0.6	0.7	0.3	0.3	0.0	0.7	0.4	0.6	0.3	0.4	0.0	0.4	0.4	0.7	0.4	0.2	0.8	0.5	0.6	1.4	1.0	0.9	0.3	0.7	1.2	0.9	0.6
hsa-miR-2964a-5p	0.3	0.0	0.2	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.5	0.4	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0
hsa-miR-302f	0.3	0.2	0.4	0.2	0.0	0.3	0.0	0.0	0.5	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.8	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
hsa-miR-3074-3p	0.3	0.0	0.0	0.2	0.0	0.5	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-3129-3p	0.3	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.7	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-3154	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-3157-3p	0.3	1.0	1.2	0.5	1.5	0.8	0.4	0.0	0.5	0.8	0.6	1.1	0.6	1.3	1.2	0.4	1.2	1.0	1.0	1.0	1.1	0.8	1.4	0.4	1.1	1.1	1.0	2.0	0.6	1.5	0.8	0.7	1.4	1.6	1.1	1.1	1.2	1.1	1.2	0.8
hsa-miR-3180-3p	0.3	0.5	0.0	0.3	1.9	1.0	0.9	1.4	0.8	0.0	0.8	0.7	0.9	0.6	0.9	1.5	0.2	0.6	0.0	0.9	0.6	0.8	0.5	0.5	0.0	0.2	0.5	0.6	0.3	1.3	1.5	1.6	0.3	0.0	0.6	1.2	1.6	0.6	0.6	0.4
hsa-miR-3180-5p	0.3	0.3	0.2	0.2	0.3	0.7	0.4	0.5	0.0	0.0	0.2	0.3	0.0	0.0	0.5	0.6	0.6	0.3	0.2	0.2	0.3	0.8	0.0	0.3	0.9	0.2	0.0	0.2	0.2	0.2	0.7	0.7	0.0	0.3	0.0	0.0	0.0	0.2	0.2	0.0
hsa-miR-34a-3p	0.3	0.1	0.5	0.0	0.8	0.3	1.7	0.3	0.8	0.4	1.1	1.0	0.0	0.8	2.3	0.2	0.5	0.3	0.6	1.4	1.0	1.4	0.8	0.8	1.1	1.2	1.2	0.0	1.4	0.6	1.3	0.0	2.1	0.7	0.6	0.2	1.5	0.6	0.2	0.0
hsa-miR-34c-5p	0.3	0.9	0.6	1.6	1.5	1.8	1.3	1.4	4.1	3.0	7.4	4.3	3.9	7.1	9.6	6.7	5.0	3.3	1.7	2.9	5.1	2.1	9.1	3.4	1.5	5.4	5.1	3.5	7.3	4.4	5.3	6.2	36.2	2.9	0.9	2.1	7.3	3.1	4.0	2.0
hsa-miR-3607-3p	0.3	0.7	0.9	1.8	1.7	1.7	5.0	2.3	1.5	2.0	2.7	6.8	4.8	3.3	2.3	3.3	1.4	3.4	1.8	0.9	5.6	3.2	4.9	3.0	1.7	3.4	3.7	5.9	4.8	3.0	4.6	4.3	3.7	0.7	1.9	1.0	4.2	3.9	5.4	7.6
hsa-miR-3622a-5p	0.3	1.0	0.5	0.0	0.2	0.0	0.0	0.8	0.0	0.4	0.7	0.0	0.4	0.0	0.2	0.0	0.0	0.0	0.0	1.2	0.0	0.9	0.5	0.0	0.0	0.2	0.5	0.2	2.6	0.3	0.3	0.3	0.0	2.3	0.2	0.4	0.4	0.6	0.4	0.0
hsa-miR-374c-3p	0.3	0.4	0.9	0.8	0.9	0.9	0.4	1.2	1.1	1.0	0.8	1.9	1.7	0.3	0.4	0.4	1.2	1.3	0.5	0.9	1.4	1.2	0.8	0.4	0.4	0.6	0.4	1.2	1.8	0.0	1.2	1.7	0.6	0.3	0.5	0.3	1.2	1.7	1.1	1.0
hsa-miR-3944-5p	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-429	0.3	0.0	0.0	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.0	0.3	0.2	0.2	0.0	0.0	0.0	0.0
hsa-miR-431-3p	0.3	0.1	0.3	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0.3	0.6	0.0	0.6	0.4	0.2	0.5	0.3	0.2	0.0	1.0	0.6	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.3	0.0	0.9	0.0	0.2	0.0	0.7	0.2	0.8	0.3
hsa-miR-4497	0.3	1.4	0.5	0.8	1.0	0.2	0.0	0.3	0.0	0.6	1.4	1.0	4.6	0.3	6.7	3.8	0.0	0.6	0.2	0.0	7.1	1.7	2.4	3.8	0.7	0.0	3.4	0.9	1.0	1.3	0.9	2.4	0.3	0.5	0.7	0.7	0.0	0.7	1.0	0.6
hsa-miR-4500	0.3	0.0	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.3	0.0	0.5	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.2	0.0	0.4	0.2	0.3	0.0	0.5	0.4	0.0	0.0	0.4	0.5
hsa-miR-4531	0.3	0.0	0.6	0.4	1.9	0.4	0.0	0.3	1.5	0.0	0.7	0.0	0.4	0.8	0.7	0.2	0.0	0.7	0.0	0.5	0.6	0.0	1.2	0.4	0.0	0.0	1.5	0.0	0.6	0.6	0.3	0.3	0.0	0.3	0.4	1.5	0.0	0.6	0.0	0.2
hsa-miR-4632	0.3	1.7	0.5	0.8	0.7	0.3	0.0	0.6	0.0	0.4	0.6	0.8	7.2	0.6	4.2	2.2	0.2	0.0	0.0	0.5	9.3	5.6	3.5	3.6	0.0	0.0	0.4	1.3	0.4	0.5	1.7	2.5	0.0	0.0	0.4	0.0	0.2	0.5	1.1	1.2
hsa-miR-4636	0.3	0.1	0.4	0.2	1.5	0.2	0.4	0.3	0.0	0.0	0.6	0.4	0.7	0.0	0.5	0.4	0.7	0.4	0.4	0.8	0.7	0.6	0.6	0.3	0.4	1.6	0.6	0.2	0.9	0.5	0.3	0.3	0.9	0.5	0.4	0.2	0.9	0.6	0.2	0.0
hsa-miR-4682	0.3	0.1	0.2	0.2	0.2	0.3	0.6	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0
hsa-miR-4697-3p	0.3	1.0	1.0	0.0	0.0	1.5	0.6	0.5	2.0	0.4	0.7	0.6	2.0	0.0	0.5	1.2	0.5	1.3	2.3	0.8	1.0	1.1	1.0	2.7	0.9	0.9	1.1	0.4	1.6	0.3	0.4	1.1	0.5	0.8	1.5	1.2	1.1	0.7	0.5	1.0
hsa-miR-4727-5p	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-4731-3p	0.3	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.5	0.2	0.3	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4766-3p	0.3	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
hsa-miR-4787-5p	0.3	0.4	1.1	0.3	0.3	0.0	0.4	0.0	0.0	0.8	0.2	0.6	0.9	1.3	1.0	1.9	0.6	0.3	0.6	0.5	4.4	1.5	0.9	0.0	0.0	0.2	0.6	1.6	0.9	2.1	1.2	2.0	0.0	0.7	1.1	0.6	0.2	0.6	0.2	0.4
hsa-miR-5094	0.3	0.0	0.3	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	0.2	0.0	0.0	0.5	0.5	0.0	0.6	0.8	0.3	0.0	0.0	0.0	0.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
hsa-miR-514a-3p	0.3	0.0	0.0	0.2	0.5	0.3	0.0	0.0	0.0	0.0	0.7	0.0	0.4	0.0	0.8	0.0	2.8	0.3	0.2	0.2	1.0	0.8	0.3	0.0	0.0	0.0	0.7	0.6	0.5	0.3	0.8	0.5	1.4	0.3	0.0	0.2	0.2	0.0	0.2	0.3
hsa-miR-517a-3p#hsa-	0.3	0.2	0.0	0.5	0.0	0.9	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.4	0.0	0.4	0.0	1.3	0.3	2.3	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.0	0.3	0.4	0.0	0.0	0.4	0.2	0.8	1.0	0.0	0.0
hsa-miR-518b	0.3	0.1	0.0	1.4	2.7	1.5	0.6	0.8	0.0	0.0	0.0	0.4	0.6	0.3	0.2	0.6	0.0	0.3	0.2	1.4	0.0	0.3	0.0	0.9	0.0	0.9	0.4	0.2	0.2	0.8	0.3	0.3	0.0	0.0	0.4	0.7	2.0	1.2	0.0	0.0
hsa-miR-518c-3p	0.3	0.1	0.0	0.7	0.5	1.1	0.6	0.5	0.0	0.0	0.0	0.0	0.6	0.0	0.2	0.6	0.8	0.3	0.0	0.6	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.2	0.7	0.4	0.4	0.0	0.3
hsa-miR-5195-3p	0.3	0.2	0.0	0.2	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-520g	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-525-5p	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.0
hsa-miR-548a-3p	0.3	0.0	0.2	0.0	0.2	0.2	0.0	0.0	0.3	0.0	0.2	0.0	0.4	0.3	0.0	0.0	0.2	0.0	0.2	0.5	0.0	0.0	0.0	0.3	0.0	0.5	0.2	0.2	0.0	0.0	0.5	0.2	0.0	0.5	0.6	0.2	0.0	0.2	0.2	0.0
hsa-miR-548ah-3p	0.3	0.3	0.5	0.2	0.3	0.4	0.4	0.6	0.6	0.8	0.9	0.3	0.0	0.8	0.9	0.2	1.4	0.0	0.7	0.7	0.4	0.5	0.5	0.0	0.0	1.2	0.6	0.2	0.4	0.0	0.0	0.5	0.5	0.7	0.5	0.5	0.5	0.0	0.3	0.2
hsa-miR-548al	0.3	0.9	0.2	0.2	0.5	0.7	0.4	0.9	0.8	1.4	0.2	1.7	0.9	0.3	1.5	0.5	0.2	0.3	0.4	0.5	1.0	0.6	0.2	0.7	0.9	0.7	0.7	0.4	0.5	1.1	0.9	0.5	1.1	1.0	0.3	0.0	0.0	1.2	0.6	0.4
hsa-miR-548ao-3p	0.3	0.2	0.4	0.6	0.4	0.2	0.0	0.5	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.7	0.3	0.4	0.0	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.7	0.2	0.6	0.3	0.2	0.3	0.3	0.5	0.2	0.0	0.2	1.1	0.7
hsa-miR-548d-5p	0.3	0.7	0.9	1.0	0.5	1.4	0.0	0.9	0.8	1.4	2.1	2.9	1.3	1.3	1.9	1.8	2.0	1.0	0.8	1.5	3.2	1.7	3.0	2.2	0.7	1.0	1.6	1.8	1.5	1.5	2.1	2.6	0.8	0.3	1.0	0.8	1.5	0.2	1.0	0.5
hsa-miR-548g-3p	0.3	0.0	0.5	0.0	0.0	0.2	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.3	0.2	0.4	0.6	0.0	0.2	0.5	0.0	0.3	0.2	0.0	0.0	0.6	0.0	0.3	0.4	0.0	0.3	0.0	0.3	0.0	0.2	0.0	0.5	0.0	0.2	0.2
hsa-miR-548h-3p#hsa-	0.3	0.5	0.8	0.0	0.2	0.2	1.3	0.5	2.1	2.0	0.7	0.4	1.5	0.6	0.6	0.7	0.5	1.6	2.4	2.1	0.7	2.3	0.9	0.9	0.9	1.6	0.9	0.2	1.1	2.4	4.6	2.2	0.0	0.0	0.4	1.1	0.7	2.8	0.8	0.4
hsa-miR-548n	0.3	0.5	0.7	1.4	0.4	0.5	0.0	0.3	0.0	0.6	0.6	1.4	1.3	1.1	0.4	0.7	1.5	0.7	0.6	0.2	1.1	0.9	1.6	1.1	1.3	1.0	0.2	1.6	1.7	0.8	0.7	1.2	0.3	0.0	0.3	0.9	1.2	0.7	0.6	1.0
hsa-miR-548s	0.3	0.2	0.0	0.2	0.2	0.4	0.6	0.3	0.0	0.4	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.3	0.5	0.0	0.3	0.3	0.4	0.5	0.4	0.4	0.0	0.0	0.0	0.5	0.4	0.3	0.6	0.0	0.3	0.4	0.8	0.5	0.4	0.8
hsa-miR-548v	0.3	0.1	0.3	0.3	0.6	0.3	0.4	0.0	0.3	0.0	0.3	0.7	0.4	0.3	0.0	0.6	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.6	0.3
hsa-miR-551b-3p	0.3	0.5	0.2	0.3	0.4	0.3	0.4	0.0	0.8	0.4	0.5	0.6	0.6	0.0	1.5	0.4	0.3	0.3	1.0	0.4	1.6	0.6	0.0	0.4	0.0	0.2	0.6	2.5	1.3	1.0	1.5	0.5	2.3	0.0	1.0	0.0	0.9	0.4	0.3	0.7
hsa-miR-5585-5p	0.3	2.1	0.2	0.9	1.5	0.6	0.6	0.0	0.0	0.0	2.4	3.5	6.2	1.1	3.0	2.6	0.2	0.7	0.3	0.7	6.3	3.5	3.3	3.0	0.0	0.6	0.7	0.0	1.1	0.3	3.8	4.1	0.3	0.7	0.2	0.4	0.7	1.1	0.6	2.2
hsa-miR-5699	0.3	0.2	0.6	0.6	1.0	0.3	0.0	1.4	0.0	0.0	0.4	1.0	0.0	0.5	0.2	0.7	0.6	0.0	0.4	0.3	0.0	1.4	0.5	0.5	0.0	0.0	0.0	0.3	0.4	0.5	0.5	0.2	0.5	0.0	0.6	0.2	0.6	0.2	0.6	0.2
hsa-miR-570-3p	0.3	0.7	0.2	0.2	0.8	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.4	0.0	0.2	0.0	0.2	0.0	0.2	0.3	0.0	0.0	0.4	0.5	0.0	0.0	0.2	0.0	0.4	0.5	0.0	0.3	0.0	0.3	0.6	0.4	0.2	0.2	0.7	0.0
hsa-miR-570-5p#hsa-r	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.9	0.0	0.2	0.4	0.0	0.9	0.0	0.3	0.3	0.0	0.5	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0
hsa-miR-580	0.3	0.3	0.4	0.6	1.2	0.7	0.9	0.5	0.3	0.4	0.9	1.3	1.8	0.3	0.4	0.6	1.1	0.7	0.5	0.4	0.6	1.1	1.3	0.3	0.0	1.0	1.0	1.0	1.1	0.5	0.8	0.3	1.1	1.0	0.9	0.5	0.9	0.5	0.8	0.5
hsa-miR-590-5p	0.3	0.0	0.2	0.4	0.7	0.3	0.0	0.6	0.0	0.4	0.0	0.3	0.4	0.3	0.2	0.5	0.6	0.0	0.3	0.5	0.0	0.8	0.6	0.0	0.4	0.0	0.4	1.5	0.3	0.2	0.7	0.2	0.0	0.0	0.3	0.0	0.9	0.2	0.3	0.3
hsa-miR-654-5p	0.3	0.1	0.7	1.2	1.1	1.0	0.0	0.6	0.0	0.0	1.7	0.3	0.4	0.9	1.7	1.4	0.5	0.3	0.3	0.4	2.0	0.8	1.1	0.4	0.7	0.7	1.5	0.0	1.8	0.9	0.7	1.6	0.3	0.3	0.5	0.9	2.0	0.8	1.8	0.5
hsa-miR-935	0.3	0.3	0.0	0.2	0.2	0.5	1.1	0.0	0.3	0.4	0.4	1.0	0.9	0.0	0.0	0.2	0.5	0.7	0.2	0.9	1.4	0.6	0.9	0.8	0.0	0.4	0.2	0.0	0.6	0.0	0.0	0.7	0.6	0.5	0.9	0.9	0.5	0.8	0.7	0.5
hsa-miR-937	0.3	0.0	0.0	0.0	0.0	0.2	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0	0.0	0.0	0.9	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-96-5p	0.3	0.0	0.9	0.0	0.5	7.2	0.4	0.0	1.5	0.4	4.7	5.3	2.9	1.9	4.3	1.2	1.6	0.6	2.7	2.9	8.0	2.4	5.0	2.8	0.0	3.7	1.8	2.0	1.0	12.5	0.3	0.4	10.6	0.5	0.6	2.3	0.2	0.2	2.1	0.3
hsa-miR-10b-3p	0.0	2.7	1.1	0.0	0.4	1.3	0.0	1.1	0.5	0.8	1.4	0.3	0.7	1.6	1.8	0.0	1.0	0.0	3.0	0.7	1.1	1.4	0.2	0.9	0.0	0.0	1.7	0.4	1.1	0.6	0.5	0.7	1.8	0.7	1.0	2.2	1.4	1.7	0.6	0.7
hsa-miR-1185-1-3p	0.0	0.4	0.3	1.3	1.3	0.6	0.4	1.4	0.5	0.0	0.3	1.1	1.3	0.8	0.2	0.9	0.6	0.7	1.1	0.7	2.0	0.6	0.9	0.7	0.9	0.7	0.6	0.8	1.0	0.7	0.3	1.5	0.5	0.0	0.8	0.7	1.3	0.2	0.6	0.6
hsa-miR-1197	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.2	0.0	0.3	0.0
hsa-miR-122-5p	0.0	0.1	0.2	0.0	0.0	0.2	1.1	0.3	0.6	0.0	0.7	0.6	0.0	0.3	0.7	0.2	1.4	0.9	0.0	0.3	1.7	1.1	0.0	0.0	0.7	0.7	0.7	1.5	0.6	1.0	2.2	0.9	0.8	0.3	0.4	0.9	0.0	0.7	0.8	1.0
hsa-miR-1227	0.0	0.0	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.2	0.0	0.3	0.2	0.0	0.3	0.6	0.3	0.0	0.0	0.2	0.2	0.0	0.3	0.6	0.4	0.4	0.0	0.3	0.0	0.0	0.2	0.4	0.0	0.0
hsa-miR-1228-3p	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.0	0.3	0.4	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.0
hsa-miR-1228-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.2	0.2	0.0	0.0
hsa-miR-1229	0.0	0.0	0.2	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.2	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.2
hsa-miR-1234	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-1237	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0
hsa-miR-124-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-1245b-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-1245b-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-1247-3p	0.0	0.2	0.0	0.3	0.3	0.2	0.0	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.7	0.4	0.7	0.0	0.2	1.8	0.0	0.2	0.0	0.9	0.6	1.0	0.2
hsa-miR-1248	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.6	0.6	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4
hsa-miR-1250	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.2	0.0
hsa-miR-1255b-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0
hsa-miR-1256	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-1263	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-1265	0.0	0.1	0.3	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-1266	0.0	0.0	0.3	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.4	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.2	0.0
hsa-miR-1268b	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-1269a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.8	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-1269b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-1273a	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.2	0.0	0.0	0.4	0.0	0.0
hsa-miR-1273c	0.0	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-1273d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-1273e	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0
hsa-miR-1276	0.0	0.1	0.2	0.3	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.5	0.0	0.7	0.0	0.2	0.2	0.0	0.2	0.0
hsa-miR-1277-3p	0.0	0.0	0.3	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.7	0.3	0.2	0.0	0.2	0.3	0.2	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-1278	0.0	0.0	0.3	0.0	0.3	0.3	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.7	0.2	0.2	0.3	0.5	0.0	0.0	0.3	0.2	0.2	0.0	0.0	0.0
hsa-miR-1285-5p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.2	0.0	0.7	0.5	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.0	0.0	0.0
hsa-miR-1286	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-1290	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.5	0.0	0.7	0.2	0.0	0.3	0.3	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

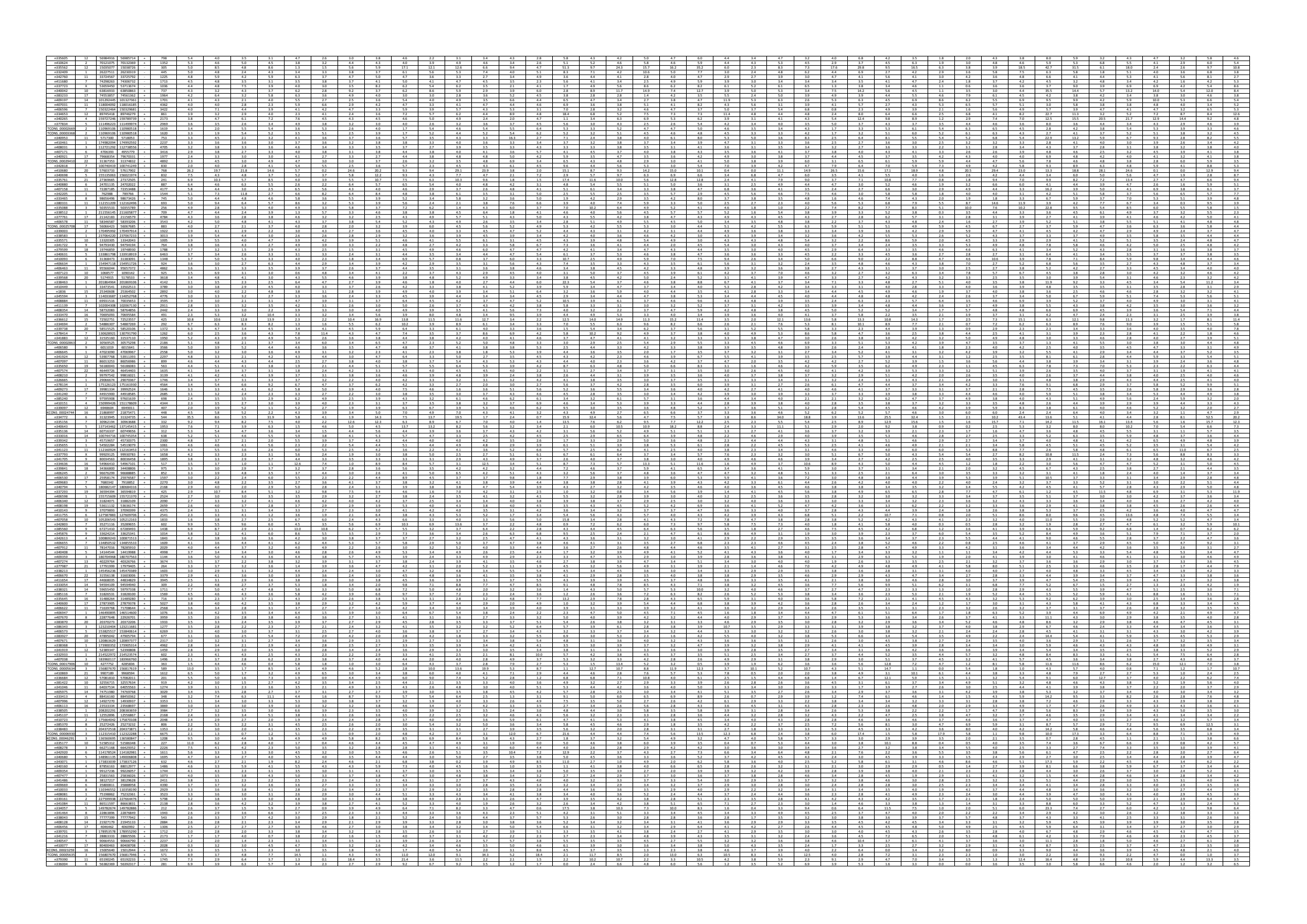
hsa-miR-129-2-3p	0.0	0.3	0.3	0.0	0.0	0.2	0.0	0.0	1.7	2.2	0.3	0.0	0.0	0.0	0.5	0.0	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.4	2.2	2.2	0.2	0.2	0.0	1.1	0.7	0.5	0.0	0.2	0.0	0.0	0.0	0.0	0.5
hsa-miR-1294	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.3	0.0	0.0	0.8	0.0	0.2	0.0	0.3	0.0	0.8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
hsa-miR-1295a	0.0	0.0	0.0	0.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.4	0.2	0.3	0.3
hsa-miR-129-5p	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.3	3.5	7.9	0.4	0.0	0.9	0.3	0.6	0.5	1.6	0.0	0.7	1.0	0.3	0.0	0.6	0.5	1.5	5.2	2.0	0.6	0.6	0.2	1.7	1.9	0.3	0.8	1.1	0.7	0.6	0.8	0.3	0.2
hsa-miR-1298	0.0	0.0	0.0	0.0	0.4	0.6	0.0	0.3	1.7	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-1302	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-1305	0.0	0.2	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.4	0.0	0.3	0.0	0.0	0.4	0.2	0.0	0.3	0.4	0.2	0.0	0.0	0.9	0.7	0.4	0.9	0.0	0.0	0.0	0.5	0.4	0.0	0.0	0.8	0.3	0.0	0.2	0.0	0.5	0.2
hsa-miR-139-3p	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.2
hsa-miR-141-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
hsa-miR-144-3p	0.0	0.2	3.5	2.0	5.2	78.0	17.3	3.3	47.1	82.1	64.3	203.7	101.6	44.9	108.5	52.3	46.4	35.3	48.0	67.0	431.7	82.4	106.0	157.1	22.4	67.2	43.6	48.8	83.1	77.4	80.9	52.3	98.9	44.0	17.3	45.7	21.6	48.9	55.9	25.3
hsa-miR-1538	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-154-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
hsa-miR-1587	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-15a-3p	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-16-1-3p	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.2	0.5	0.0	0.0	0.0	0.7	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-16-2-3p	0.0	0.5	1.1	0.6	0.5	1.3	1.5	0.5	0.9	0.6	1.7	1.9	1.1	0.8	1.6	1.4	0.8	0.6	0.8	2.1	3.4	0.9	2.4	2.0	1.3	0.9	1.3	0.7	1.6	1.8	1.1	1.5	2.1	1.5	0.7	0.6	2.0	1.1	1.1	1.3
hsa-miR-181b-3p	0.0	0.7	0.7	0.5	1.5	1.5	0.9	1.6	0.3	0.8	0.7	0.8	3.5	1.6	0.3	2.0	1.2	1.3	0.7	0.9	1.1	1.1	0.9	0.9	1.5	2.7	1.6	1.3	1.3	1.1	0.3	2.0	0.8	0.5	0.8	1.3	0.8	0.8	1.9	0.7
hsa-miR-183-5p	0.0	0.5	1.7	1.0	2.7	13.8	2.2	0.0	15.0	7.2	48.1	22.0	17.6	12.3	16.5	14.4	38.0	5.1	11.2	12.8	61.9	13.2	24.2	14.7	0.9	5.0	20.4	3.9	5.4	39.9	7.9	9.2	28.9	13.1	3.3	12.6	1.9	9.4	8.3	2.0
hsa-miR-186-3p	0.0	0.0	0.2	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-187-5p	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-18b-5p	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.2	1.0	0.4	0.0	0.2	0.2	0.0	0.3	0.3	0.2	0.8	0.5	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.3	0.3	0.0	0.3	0.0	0.0	0.0	0.2	0.0
hsa-miR-1913	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-194-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-196a-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.0	0.8	0.3	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-196b-5p	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0	0.2	0.0	0.2	0.0	0.5	0.6	1.3	1.1	0.5	0.3	0.0	0.4	0.9	0.0	1.3	0.5	0.4	0.0	6.2	0.0	0.0	0.6	0.0	0.7	0.0	0.0
hsa-miR-1972	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-1973	0.0	0.1	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.6	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-197-5p	0.0	0.0	0.0	0.2	0.0	0.3	0.4	0.0	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-1976	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-19a-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.2	0.0	0.2	0.0	0.0
hsa-miR-19b-1-5p	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.2	0.0
hsa-miR-200a-3p	0.0	0.2	0.0	0.5	0.5	0.0	1.1	0.0	0.8	0.4	0.2	0.0	0.6	0.0	0.0	0.0	0.7	0.0	0.4	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.2
hsa-miR-202-5p	0.0	0.5	0.4	0.9	0.5	0.0	0.0	0.3	0.3	0.0	0.6	1.5	0.9	0.3	0.2	0.0	0.5	0.3	0.7	0.5	0.3	0.0	0.8	0.7	0.9	0.4	0.9	0.9	0.0	0.0	0.9	0.2	0.3	0.0	0.6	0.8	0.2	0.2	0.2	0.5
hsa-miR-205-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-206	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-2114-3p	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.5	0.0	0.4	0.0	0.0	0.7	0.0	1.1	0.0	0.3	0.0	0.2	1.2	0.6	0.0	0.4	0.0	0.0	0.7	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.3
hsa-miR-2114-5p	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.2	0.3	0.3	0.5	0.6	0.3	0.3	0.0	0.0	0.0	0.9	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-2115-5p	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-211-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	2.4	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.4	0.3	0.3	0.2	2.0	0.0	0.0	0.2	0.0	0.5	0.6	0.0
hsa-miR-2116-3p	0.0	0.3	0.5	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0	0.4	0.0	0.3	0.3	0.4	0.3	0.0	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.5	0.0	0.4	0.4	0.2	0.4	0.2
hsa-miR-2116-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-216a	0.0	0.0	0.3	0.0	21.4	0.8	0.0	1.2	2.3	1.6	0.5	1.3	5.1	0.6	12.7	0.0	0.5	1.8	0.3	53.1	2.7	0.5	0.4	1.9	9.8	3.9	13.7	0.3	0.2	0.2	2.5	1.1	0.9	16.8	0.2	0.4	1.4	0.8	3.8	0.0
hsa-miR-216b	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.3	0.8	0.0	0.2	0.4	0.3	0.9	0.4	0.0	0.0	0.4	0.0	0.4	0.2	0.0	0.2	0.6	0.3	0.3	0.6	0.0	0.0	0.2	0.5	0.0	0.0	0.0
hsa-miR-217	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.8	0.0	0.3	1.2	0.0	6.3	0.0	0.0	0.0	0.0	4.1	0.5	1.8	0.2	0.0	0.0	0.0	0.0	0.5	1.3	0.0	0.0	0.4	0.0	0.0	0.0
hsa-miR-219-1-3p	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.5	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.4	0.0	0.2	0.2	0.0	0.0	0.3	0.3	0.0	0.0	0.2	0.0	0.0	0.2	0.0
hsa-miR-219-5p	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.3	0.0	0.3	0.6	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.4	0.3	0.0	0.7	0.0	0.0	0.3	0.5	0.4	0.2	0.0	0.5	0.2
hsa-miR-2277-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-23c	0.0	0.1	0.2	0.0	0.2	0.0	0.0	0.0	0.9	0.4	0.3	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.4	0.5	0.0	0.2	0.8	0.0	0.0	0.8	0.0	0.2	0.0	0.2	0.2	0.0	0.2
hsa-miR-2681-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	0.0	0.0	0.3	0.0	0.5	0.0	0.0	0.7	0.0	0.3	0.0	0.0	0.0	0.2	0.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
hsa-miR-2681-5p	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.3	0.0	0.5	0.0	0.4	0.3	0.9	0.4	0.6	0.0	0.2	1.5	0.0	0.0	0.6	0.0	0.7	0.5	0.6	0.2	0.0	0.6	0.4	0.7	0.5	0.7	0.2	0.2	0.4	0.5	0.0	0.0
hsa-miR-2682-5p	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-26a-1-3p	0.0	0.3	0.2	0.7	0.4	0.4	0.4	0.0	0.0	0.0	0.3	0.3	0.0	0.3	0.0	0.0	0.3	0.0	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.6	0.2	0.5	0.0	0.3	0.0	0.0	0.0	0.7	0.2	0.6	0.3	0.4
hsa-miR-296-3p	0.0	0.3	0.2	0.0	0.6	0.2	0.0	0.6	0.5	0.0	0.3	0.8	1.7	0.3	0.9	0.7	0.0	0.4	0.4	0.5	0.3	0.3	0.8	0.0	0.7	0.2	0.2	0.8	1.1	0.6	0.9	0.2	0.0	0.3	1.0	0.2	0.6	0.5	0.4	0.7
hsa-miR-2964a-3p	0.0	0.0	0.2	0.0	0.4	0.2	0.0	0.3	0.0	0.6	0.3	0.3	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.5	0.2	0.3	0.0	0.2	0.2	0.2	0.0	0.0	0.0
hsa-miR-301a-5p	0.0	0.9	0.5	0.7	0.3	0.5	0.9	0.3	0.6	0.6	0.7	1.3	1.3	1.4	0.7	1.1	0.7	1.9	0.6	0.5	0.7	1.4	0.9	1.1	0.4	0.2	0.7	1.0	0.5	0.7	1.1	1.2	1.1	1.0	0.2	0.6	0.5	0.2	0.6	0.5
hsa-miR-302c-5p	0.0	0.4	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.3	0.2	0.3	0.0	0.0	0.3	0.9	0.0	0.0	0.4	0.0	0.2	0.0	0.5	0.0	0.0	1.0	0.4	0.0	0.0	0.0	0.0
hsa-miR-302d-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-3064-5p	0.0	0.0	0.0	0.2	0.0	0.2	0.4	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3074-5p	0.0	0.0	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.3	0.6	0.3	0.0	0.6	0.0	0.0	0.3	0.2	0.4	0.3	0.0
hsa-miR-3115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3120-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-3124-5p	0.0	0.3	0.9	0.8	0.9	0.5	0.4	0.6	0.3	0.4	0.7	0.6	0.7	0.3	0.8	1.1	0.5	0.0	0.6	0.4	0.3	0.0	0.2	1.2	1.3	0.0	0.6	0.7	0.7	1.1	0.9	1.4	0.9	0.0	0.7	0.6	0.9	0.2	0.5	1.0
hsa-miR-3125	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.2	0.0	0.0	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.0	0.0	0.0
hsa-miR-3126-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3127-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0
hsa-miR-3128	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-3129-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
hsa-miR-3130-3p	0.0	0.0	0.2	0.5	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-3130-5p	0.0	0.1	0.5	0.0	0.4	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.2	0.2	0.0	0.0	0.3	0.3	0.3	0.0	0.3	0.0	0.7	0.5	0.2	0.0	0.4	0.0	0.4	0.2	0.6	0.3	0.2	0.0	0.0	0.2	0.3	0.0
hsa-miR-3132	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.2	0.5
hsa-miR-3133	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
hsa-miR-3135a	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-3136-5p	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3138	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-3139	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-31-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3145-3p	0.0	0.3	0.7	1.0	1.0	1.4	1.1	1.1	0.5	2.0	0.7	1.9	1.1	1.1	0.6	0.7	1.9	0.3	1.5	0.6	1.3	0.8	1.6	1.9	0.0	0.9	0.5	1.3	1.3	1.0	0.9	0.4	0.0	1.0	0.8	0.6	0.8	1.4	0.8	1.7
hsa-miR-3145-5p	0.0	0.8	0.3	0.0	0.4	0.8	0.0	0.3	0.0	1.4	1.0	0.6	0.4	0.0	0.2	0.0	0.8	0.4	0.3	0.7	0.4	0.6	0.6	0.7	0.0	0.4	0.0	0.4	0.7	0.0	0.0	0.2	0.0	0.0	0.6	0.0	0.5	0.4	0.0	0.7
hsa-miR-3149	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.5
hsa-miR-3152-5p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.8	0.0	0.3	0.0	0.0	0.0	0.4	0.2	0.2	0.4	0.0	1.2	0.0	0.0	0.0	0.3	0.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.2	0.3	0.0	0.0	0.0	0.0
hsa-miR-3155a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
hsa-miR-3159	0.0	0.3	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.0	0.0	0.2	0.0	0.0	0.0	3.4	0.0	0.2	0.0	0.2	0.0	0.6	0.0	0.0	0.3	0.0	0.0	0.0	0.4	0.0	0.3	1.7
hsa-miR-3160-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-3167	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-3171	0.0	0.1	0.2	0.0	0.0	0.0	0.6	0.0	0.5	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2
hsa-miR-3174	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3177-3p	0.0	0.2	0.7	0.7	0.9	0.3	0.0	0.0	0.0	0.0	1.3	0.3	0.7	0.3	0.4	0.2	0.2	0.7	0.2	0.7	1.0	0.0	1.1	0.4	0.4	0.0	0.0	0.7	0.5	1.1	0.4	0.9	0.3	0.0	0.6	0.0	0.2	0.2	0.9	0.5
hsa-miR-3178	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3183	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0
hsa-miR-3187-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.4	0.0	0.0
hsa-miR-3190-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
hsa-miR-3191-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-3192	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-3193	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3194-3p	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.2	0.0	0.0	0.2	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
hsa-miR-3194-5p	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3200-5p	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-320c	0.0	0.3	0.4	0.6	0.2	0.2	0.4	0.3	0.0	0.4	0.5	0.4	0.6	0.9	0.3	1.1	0.0	0.6	0.5	0.2	1.0	0.9	0.7	0.7	0.4	0.2	0.0	0.8	0.5	0.8	1.1	0.4	0.0	0.0	0.4	0.4	0.6	1.3	0.8	0.6
hsa-miR-323a-3p	0.0	1.0	0.5	0.4	0.6	0.3	0.0	0.5	0.0	0.4	1.0	0.6	0.0	0.3	0.9	0.8	0.6	0.7	0.4	0.7	2.0	0.6	0.4	0.0	0.9	0.4	1.6	0.4	0.9	1.3	0.8	0.7	0.9	0.7	0.2	0.0	1.1	0.0	1.0	0.5
hsa-miR-345-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-34b-3p	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.3	0.3	0.0	0.0	0.2	0.4	0.6	0.3	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.4	0.6	0.0	0.0	0.9	0.0	0.0	0.0	0.2	0.0	0.3	0.2
hsa-miR-34b-5p	0.0	0.2	0.0	0.7	0.5	0.4	0.9	0.6	0.6	1.6	0.6	0.7	1.1	0.6	0.4	0.9	0.2	0.0	0.3	0.5	1.1	0.3	1.3	0.7	0.4	0.5	0.7	0.0	1.1	0.2	1.5	1.2	2.9	1.0	0.2	0.7	0.9	1.1	0.4	0.2
hsa-miR-34c-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.4	0.3	0.0	0.3	0.2	0.7	0.0	0.0	0.0	0.2	0.6	0.3	0.7	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.8	1.2	0.8	0.0	0.0	0.0	0.5	0.0	0.4	0.0
hsa-miR-3545-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3611	0.0	0.0	0.4	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0	0.2	0.0	0.0	0.3	0.6	0.5	0.6	0.0	0.0	0.4	1.1	0.5	0.5	0.4	0.5	0.2	0.5	0.3	0.6	0.3	0.4	0.7	0.2	0.6	0.4	0.0
hsa-miR-3614-3p	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-3617	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3619-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-3622a-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.2	0.3	0.0	0.0	0.6	0.2	0.2	0.0	0.0	0.2	0.3	0.3	0.0	0.2	0.0	0.0	0.4	0.0
hsa-miR-3651	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.2	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3652	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
hsa-miR-3653	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3656	0.0	0.0	0.2	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0
hsa-miR-365b-5p	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.4	0.6	0.0	0.0	0.0	0.0	0.2	0.4	0.2
hsa-miR-3661	0.0	0.0	0.3	0.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.0	0.0
hsa-miR-3667-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-367-3p	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.5	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.2
hsa-miR-3677-3p	0.0	0.1	0.2	0.0	1.1	0.9	0.6	0.9	0.6	1.0	0.6	0.7	1.1	0.0	1.0	1.0	0.9	0.3	0.6	0.5	1.1	1.4	0.6	0.9	0.0	0.6	0.6	0.0	0.4	0.0	0.4	0.7	0.5	1.1	0.6	0.5	0.6	1.0	0.4	0.0
hsa-miR-3679-3p	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3681-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3687	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-3691-5p	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-371a-3p	0.0	0.1	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.6	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.2	0.0	0.0
hsa-miR-371a-5p	0.0	0.4	0.6	0.6	2.0	3.4	0.6	2.2	0.0	0.0	0.7	0.4	2.2	0.5	0.3	1.4	0.0	4.5	0.6	2.6	0.0	1.8	0.4	1.2	1.7	0.9	0.0	0.4	3.7	1.5	0.8	0.6	0.0	1.3	1.4	1.5	2.5	1.2	0.2	1.2
hsa-miR-371b-5p	0.0	0.0	0.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2	0.0	0.0
hsa-miR-372	0.0	0.3	0.2	0.2	0.5	3.4	0.4	2.2	0.0	0.0	0.0	1.0	1.8	0.3	0.0	1.5	0.2	5.1	0.2	1.9	0.0	1.7	0.0	0.4	1.5	0.6	0.0	0.2	2.5	1.0	0.3	0.4	0.0	0.7	0.5	0.5	2.2	1.7	0.3	0.3
hsa-miR-375	0.0	0.2	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	0.7	0.0	0.5	1.8	0.0	1.9	0.4	0.0	0.0	0.4	0.5	0.5	0.0	0.0	0.5	0.5	0.3	1.1	0.9	1.2	0.4	0.9	0.5	0.2	0.4	0.5	0.7	0.5	0.2
hsa-miR-379-3p	0.0	0.8	0.2	0.8	0.5	0.6	0.0	0.9	0.0	1.2	1.1	1.3	0.9	0.6	0.6	0.2	0.7	0.0	0.6	1.3	1.3	0.6	0.2	0.7	1.3	0.2	1.1	0.9	1.4	0.8	0.7	0.7	0.6	0.7	0.6	0.7	0.9	0.8	0.8	0.4
hsa-miR-3907	0.0	0.1	0.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.3	0.0	0.0	1.8	0.2	0.0	0.2	0.4	0.6	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
hsa-miR-3914	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.6	0.2	0.0	0.0	0.6	0.3	0.0	0.0	0.4	0.2	0.4	0.3	0.0	2.4	0.0	0.0	0.0	0.2	0.0	0.5	0.5	0.5	0.0
hsa-miR-3915	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3917	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-3919	0.0	0.1	0.3	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3920	0.0	0.5	0.2	0.2	0.6	0.0	0.0	0.8	0.0	0.0	0.2	0.7	0.0	0.0	0.5	0.4	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.2	0.7	0.0	0.0	0.0	0.2	0.4	0.6	0.2	0.2	0.0
hsa-miR-3921	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-3925-5p	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3928	0.0	0.1	0.2	0.0	0.5	0.2	0.0	0.9	0.0	0.6	0.2	0.0	0.0	0.8	0.8	0.4	0.3	0.4	0.4	0.5	0.7	0.0	0.2	0.3	0.0	0.2	0.2	0.0	0.0	0.5	0.8	0.9	0.0	0.0	0.0	1.0	0.0	0.0	0.4	0.0
hsa-miR-3934	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-3936	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-3938	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.6	0.2	0.4	0.6	0.0	0.0	0.2	0.0	0.0	0.2	0.4	0.0	0.4	0.9	0.0	0.2	0.3	0.3	0.2	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-3939	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3940-3p	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-3942-3p	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.2	0.0	0.0
hsa-miR-3942-5p	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-4284	0.0	0.3	0.7	7.4	0.6	0.3	0.0	0.5	0.3	0.4	0.0	1.7	15.4	0.8	1.0	0.0	0.0	0.3	0.0	0.0	0.7	1.2	0.9	1.1	2.0	0.0	6.1	0.4	0.0	0.3	0.0	0.9	0.5	0.0	0.4	0.0	0.0	0.0	0.0	0.0
hsa-miR-432-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-4326	0.0	0.0	1.5	0.0	1.1	0.0	1.7	0.6	0.0	1.2	2.4	1.4	0.0	2.8	1.1	1.1	2.0	2.2	0.7	0.9	3.5	0.8	1.1	0.0	0.0	1.5	2.3	0.6	1.6	3.2	0.3	1.2	1.4	1.0	0.4	0.6	2.0	1.4	0.9	0.0
hsa-miR-4421	0.0	0.1	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.0
hsa-miR-4422	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4423-3p	0.0	0.3	0.8	0.6	0.7	0.3	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.2	0.0	0.0	0.4	0.0	0.3	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	0.4	0.0	0.0	0.0	0.0
hsa-miR-4424	0.0	0.0	0.2	0.0	0.2	0.3	0.0	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.2	0.3	0.0	0.0	0.0	0.2	0.2	0.0	0.3	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.2
hsa-miR-4427	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4428	0.0	0.1	0.4	0.6	0.0	0.3	0.4	0.3	0.0	0.4	0.0	0.3	0.0	1.3	0.2	0.5	0.0	0.0	0.2	0.2	0.0	0.5	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0	0.0	0.4	0.5	0.5	0.2	0.0	1.0
hsa-miR-4429	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4430	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4433-5p	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
hsa-miR-4435	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2
hsa-miR-4441	0.0	0.2	0.8	0.5	0.6	1.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8	0.0	0.0	0.0	0.0
hsa-miR-4443	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.2	0.0	1.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-4446-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

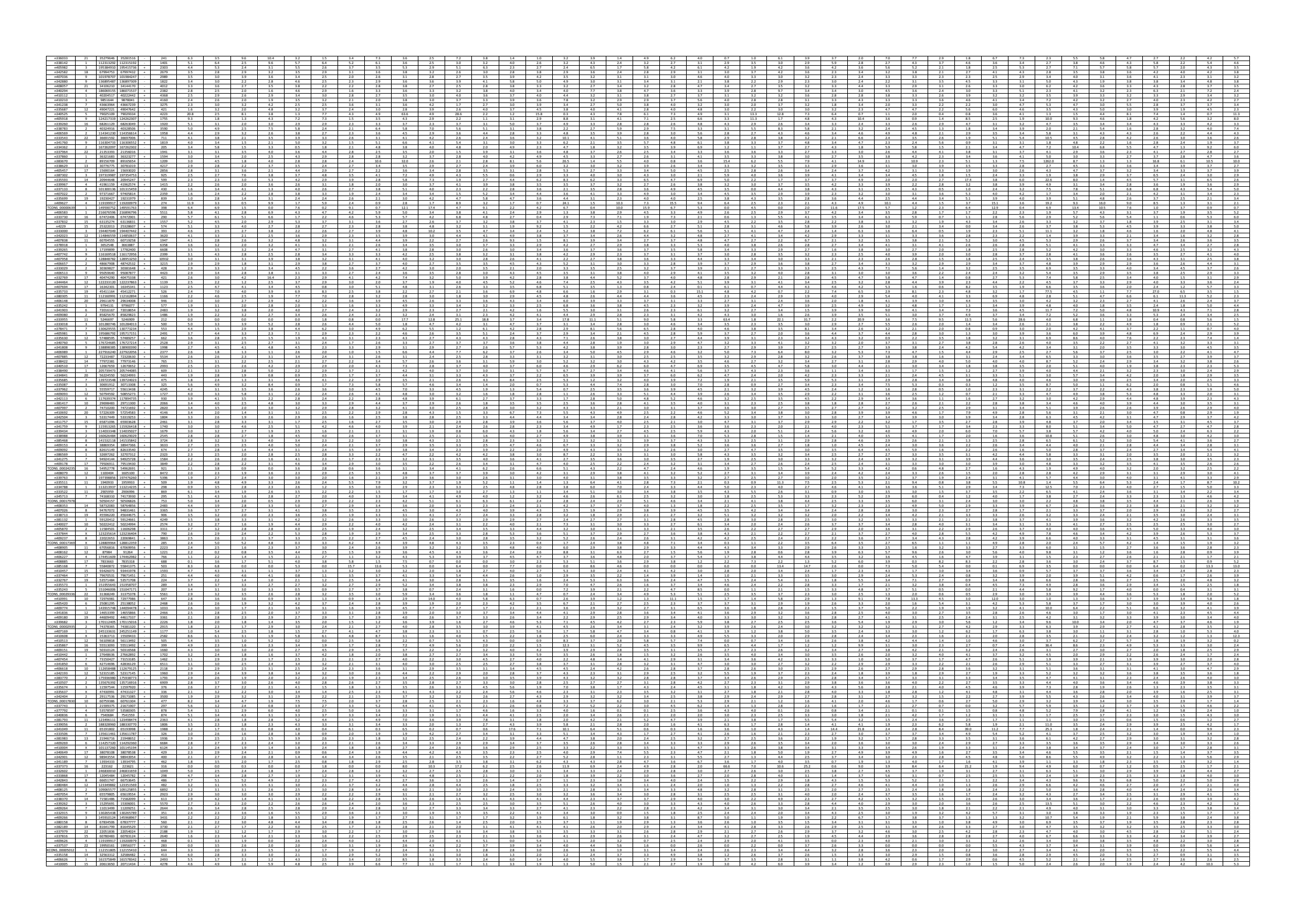
hsa-miR-4449	0.0	0.0	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.7	0.3	0.0	0.5	0.2	0.0	0.2	0.4	0.0	0.3	0.2	0.0	0.0	0.0	0.6	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-4451	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.0	0.4	0.0	0.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
hsa-miR-4466	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4473	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-4474-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-4478	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4482-3p	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.0	0.2	0.0	0.0	1.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.2	0.0	0.0	0.0	0.0	0.0	1.6	1.2
hsa-miR-4488	0.0	0.4	0.0	0.8	0.0	0.6	1.1	0.6	0.0	0.4	0.0	1.1	1.1	0.8	0.8	0.4	0.0	0.0	0.2	0.0	0.8	0.0	0.2	0.0	0.0	0.0	0.0	0.2	1.2	1.3	0.0	0.7	0.0	0.0	0.2	0.2	0.0	0.8	0.4	0.0
hsa-miR-4492	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0	0.0	0.0	1.3	0.6	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.6	0.3	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
hsa-miR-4494	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4496	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-449a	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	0.5	0.0	0.2	0.5	0.0	0.3	0.9	0.0	0.2	0.6	0.6	0.2	0.2	0.0
hsa-miR-449b-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-449c-5p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.4	0.0	0.0	0.0
hsa-miR-4501	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
hsa-miR-4506	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.3	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0
hsa-miR-4507	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-4508	0.0	0.4	0.2	0.0	0.7	0.0	0.0	0.0	0.3	0.4	0.9	0.8	1.5	0.3	5.8	1.5	0.2	0.0	0.0	0.7	3.5	0.6	1.3	1.3	0.0	0.0	0.5	0.3	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.4	0.5	0.7	0.6	0.6
hsa-miR-450a-3p	0.0	0.1	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.3	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0
hsa-miR-4511	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4512	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4516	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4518	0.0	0.3	0.0	0.2	0.3	0.0	0.0	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.2
hsa-miR-4523	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4524a-5p	0.0	0.2	0.2	0.4	0.3	0.5	0.6	0.0	1.1	0.6	0.5	0.4	0.4	0.5	0.5	0.0	0.2	0.0	0.2	0.4	0.6	0.3	0.7	0.3	0.7	0.7	0.4	0.6	0.9	0.0	0.4	0.4	0.5	0.0	0.0	0.0	0.6	0.6	0.2	0.2
hsa-miR-4536-3p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
hsa-miR-4536-5p	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-4633-3p	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4635	0.0	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
hsa-miR-4638-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.8	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.3	0.2
hsa-miR-4638-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4640-3p	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-4645-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2
hsa-miR-4649-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4661-5p	0.0	0.0	0.0	0.0	0.8	0.6	0.0	0.3	0.3	0.4	0.2	0.8	0.6	0.0	0.4	0.0	1.1	0.6	0.2	0.2	0.6	0.6	0.8	1.1	0.0	0.0	0.0	1.6	0.0	0.8	0.5	1.1	0.8	0.0	0.2	0.0	1.6	0.6	0.7	0.0
hsa-miR-4662a-3p	0.0	0.1	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.4	0.0
hsa-miR-4662b	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-4665-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-4666a-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-4667-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4668-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-4670-3p	0.0	0.2	0.6	0.0	0.4	0.6	0.4	0.5	0.0	0.8	0.5	0.4	0.0	0.3	0.5	0.6	0.3	0.3	0.3	0.3	0.0	0.5	0.5	0.5	0.0	0.5	0.4	0.6	0.3	1.1	0.0	1.1	1.1	0.5	0.6	1.1	0.5	0.2	1.0	0.6
hsa-miR-4673	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4677-5p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-4679	0.0	0.0	0.4	0.0	0.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.5	0.0	0.0	0.0
hsa-miR-4687-5p	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4688	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4690-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4694-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4699-3p	0.0	0.1	0.0	0.2	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.2	0.4	0.0	0.8	0.5	0.3	0.2	0.2	0.5	0.2	0.0
hsa-miR-4699-5p	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.7	0.0	0.2	0.3	0.0	0.5	0.2	0.0	0.0	0.0	0.2	0.3	0.2	0.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.2
hsa-miR-4703-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-4705	0.0	0.0	0.0	0.0	0.5	0.9	0.6	0.3	0.3	0.4	1.1	0.0	0.4	0.0	1.6	0.6	0.2	0.0	0.0	1.2	0.3	0.5	0.9	0.0	0.7	0.2	1.8	0.4	0.4	0.0	1.1	0.5	0.5	1.5	0.2	0.0	0.5	1.0	0.0	0.0
hsa-miR-4707-3p	0.0	0.0	0.0	0.2	0.0	0.0	0.9	0.0	0.3	0.0	0.8	0.3	0.6	0.0	0.3	0.4	0.2	0.0	0.0	0.0	1.0	0.0	0.8	0.5	0.0	0.0	1.7	0.2	0.0	0.0	0.3	0.6	1.1	0.0	0.0	0.0	0.9	0.0	0.4	0.3
hsa-miR-4709-5p	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.2	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4714-3p	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.3	0.0	0.6	0.0	0.0	0.4	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-4725-3p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4727-3p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
hsa-miR-4731-5p	0.0	0.0	0.3	0.7	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
hsa-miR-4732-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.3	0.4	0.2	0.0	0.0	0.0	0.0	2.5	0.5	0.8	0.3	0.0	0.0	0.0	0.3	0.3	1.3	0.0	0.3	0.0	0.5	0.0	0.4	0.0	0.5	0.0	0.5
hsa-miR-4732-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4733-3p	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-4733-5p	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4734	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4738-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.0
hsa-miR-4742-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.3	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-4742-5p	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4745-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-4746-5p	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.2	0.7	0.0	0.0	0.2	0.0	0.0	0.5	0.4	0.4	0.5	0.0	0.3	0.2	0.0	0.6	0.0	0.0
hsa-miR-4749-3p	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4757-3p	0.0	0.1	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4761-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.5	0.0	0.2	0.0
hsa-miR-4762-5p	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4766-5p	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4768-5p	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.2	0.5	0.5	0.0	0.0	0.2	0.2	0.0	0.2
hsa-miR-4772-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.3	0.0
hsa-miR-4781-3p	0.0	0.7	0.2	0.2	0.3	0.0	0.0	0.3	0.5	0.8	0.2	0.3	0.0	0.3	0.3	0.8	0.9	0.0	0.7	0.4	0.4	0.0	0.7	0.0	0.0	0.2	0.0	0.0	0.5	0.2	0.3	1.4	0.3	0.7	0.6	0.5	0.6	0.2	0.4	0.8
hsa-miR-4785	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.3	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-4786-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-4796-3p	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.0
hsa-miR-4796-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-4797-3p	0.0	0.2	0.7	1.9	1.4	1.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1.1	0.4	0.0	0.3	0.2	0.3	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.2	0.3	0.0	0.0	0.0	0.2
hsa-miR-4800-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
hsa-miR-4803	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-4804-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-488-5p	0.0	0.5	0.5	0.0	1.0	0.8	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.0	0.4	0.6	0.5	0.0	0.4	0.4	0.0	0.0	0.3	0.7	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.2	0.0
hsa-miR-496	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.2	0.0
hsa-miR-497-3p	0.0	0.2	1.0	1.6	1.3	1.2	1.5	0.8	0.0	2.2	2.5	1.0	2.6	0.8	6.6	1.5	1.6	0.7	1.2	5.0	2.7	2.1	0.8	0.8	5.2	3.3	2.6	1.3	1.7	1.3	2.1	2.2	1.8	2.8	1.3	1.2	2.3	1.2	4.1	1.1
hsa-miR-498	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-5001-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.7	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2
hsa-miR-5002-5p	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.3	0.4	0.2	0.6	0.4	1.1	0.2	0.0	0.8	0.0	0.0	0.5	0.0	0.3	0.6	0.0	0.7	0.5	0.0	0.6	0.2	0.2	0.0	0.4	0.0	0.3	0.0	0.4	0.6	0.5	0.0	0.0
hsa-miR-5008-3p	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.3	0.3	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	1.0	0.0	0.5	0.3	0.4	0.6	0.5	0.0	0.2	0.2	0.0	0.3	0.5	0.0	0.0	0.0	0.4	0.2	0.0	0.0
hsa-miR-5010-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
hsa-miR-508-3p	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.2	0.3	0.0	0.3	1.9	0.0	3.4	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.2	0.2	0.4	0.0	0.7	0.5	0.4	0.9	0.7	0.0	0.0	0.2	0.7	0.4	0.0
hsa-miR-508-5p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-509-3-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-509-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.7	0.0	0.7	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-5095	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-509-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-5096	0.0	0.2	0.2	0.2	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.3	0.2	0.5	0.0	0.2	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.2	0.0	0.0	0.2	0.0	0.7	0.0	0.0	0.0
hsa-miR-511	0.0	0.7	0.4	0.9	1.4	0.5	1.3	0.6	0.0	0.0	0.3	1.5	1.5	1.9	2.2	1.7	0.0	0.0	0.3	0.4	2.5	0.9	1.8	0.7	0.0	0.0	0.5	1.1	0.7	0.9	0.4	0.5	0.0	0.0	0.2	0.0	0.7	0.7	1.4	1.2
hsa-miR-513a-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-513c-5p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-515-3p	0.0	0.0	0.2	0.0	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-517-5p	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
hsa-miR-517c-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
hsa-miR-5187-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
hsa-miR-5187-5p	0.0	0.2	0.2	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.0	0.0	0.3	0.4	0.0	0.2	0.2	0.0	0.0
hsa-miR-518a-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-518a-5p#hsa-	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-518e-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-518f-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0
hsa-miR-5193	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-519b-3p	0.0	0.0	0.0	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.2	0.3	0.5	0.0	0.0	0.0
hsa-miR-519c-5p#hsa-	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
hsa-miR-519d	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0
hsa-miR-520a-5p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2	0.0	0.2	0.0	0.0
hsa-miR-520d-3p	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-520d-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-522-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-523-3p	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-524-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-526b-5p	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.2	0.0
hsa-miR-541-3p	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-541-5p	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-544b	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
hsa-miR-545-3p	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.2	0.0	0.0	0.4	0.2	0.0
hsa-miR-545-5p	0.0	0.0	0.3	0.6	0.0	0.4	0.0	0.5	0.5	0.8	0.7	0.8	0.7	0.5	0.6	0.5	1.1	0.0	0.0	0.2	0.0	0.3	0.4	0.9	0.0	0.6	0.0	0.0	0.9	0.0	0.3	0.6	0.5	0.3	0.2	0.6	0.0	1.6	0.0	0.0
hsa-miR-548a-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-548ab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
hsa-miR-548ac	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-548ad	0.0	0.2	0.5	0.3	0.2	0.3	0.0	0.3	0.0	0.0	0.0	0.4	0.4	0.3	0.9	0.6	0.2	0.3	0.2	0.5	0.8	0.5	0.5	0.3	0.0	0.0	0.0	0.6	0.2	0.0	0.4	0.5	0.3	0.3	0.2	0.0	0.2	0.2	0.9	0.6
hsa-miR-548ah-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.2	0.3	0.0	0.0	0.0	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2
hsa-miR-548ar-3p	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-548ar-5p	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	1.0	0.0	0.4	0.2	0.4	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0
hsa-miR-548as-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-548at-5p	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.2	0.4	0.0	0.0
hsa-miR-548aw	0.0	0.0	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-548ax	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.2	0.0	0.0	0.0	0.2	0.0
hsa-miR-548b-3p	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-548b-5p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-548c-5p#hsa-	0.0	0.2	0.2	0.6	0.2	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.3	0.0	0.4	0.0	0.3	0.4	0.4	0.3	0.3	0.5	0.3	0.0	0.6	0.4	0.3	0.4	0.0	0.0	0.2	0.3	0.0	0.5	0.0	0.8	0.6	0.0	0.0
hsa-miR-548d-3p	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-548i	0.0	0.1	0.2	0.4	0.0	0.2	0.0	0.5	0.3	0.0	0.0	0.0	0.4	0.5	0.7	0.0	0.6	0.4	0.4	0.3	0.3	0.9	1.0	0.3	0.0	0.7	0.5	0.0	0.0	0.2	0.0	0.2	0.3	0.3	0.5	0.4	0.2	0.2	0.8	0.3
hsa-miR-548j	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-548l	0.0	0.0	0.2	0.0	0.4	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-548p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
hsa-miR-548q	0.0	0.0	0.7	0.4	0.6	0.3	0.4	0.0	0.0	0.8	0.3	0.6	0.4	0.0	0.0	1.1	0.2	0.0	0.6	0.2	0.8	1.7	0.4	0.3	0.4	0.7	0.5	1.5	1.6	1.0	0.0	0.4	0.0	0.0	0.5	0.4	1.1	0.4	0.2	0.5
hsa-miR-548t-3p#hsa-	0.0	0.1	0.2	0.0	0.0	0.2	0.4	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.7	0.0	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-548t-5p	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-548u	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-548y	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
hsa-miR-550b-2-5p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
hsa-miR-551a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-556-3p	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.2
hsa-miR-556-5p	0.0	0.0	0.3	0.2	0.0	0.5	0.0	0.3	0.3	0.4	0.0	0.3	0.4	0.6	0.0	0.4	0.0	0.0	0.0	0.3	0.4	0.0	0.5	0.0	0.4	0.2	0.0	0.6	0.5	0.0	0.0	0.2	0.0	0.5	0.6	0.2	0.7	0.4	0.5	0.3
hsa-miR-5579-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-5581-3p	0.0	0.0	0.2	0.2	0.0	0.7	0.6	0.5	0.6	0.0	0.0	0.3	0.0	0.3	0.3	0.3	0.5	0.0	0.3	0.2	0.0	0.0	0.5	0.3	0.0	0.0	0.5	0.2	0.7	0.3	0.3	0.3	0.0	0.3	0.4	0.5	1.2	0.7	0.5	0.2
hsa-miR-5585-3p	0.0	0.2	0.0	0.4	0.4	0.4	0.0	0.0	0.3	0.4	0.0	0.0	0.7	0.0	0.8	0.8	0.2	0.0	0.5	0.2	0.0	0.0	0.0	0.3	0.0	0.2	0.2	0.2	0.0	1.8	0.9	2.0	0.3	0.0	0.3	0.2	0.0	0.0	0.8	0.6
hsa-miR-5588-5p	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.2	0.4

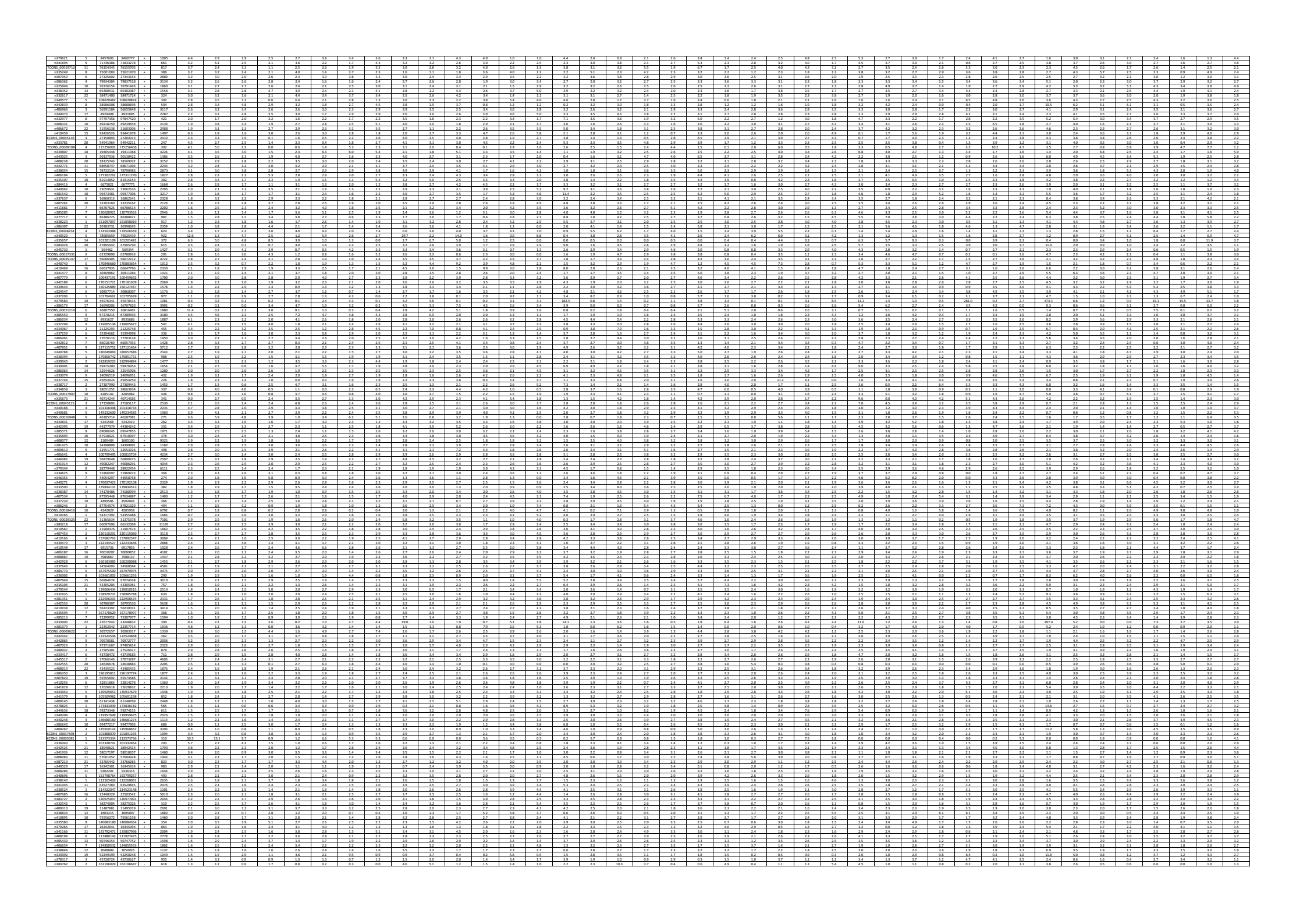
hsa-miR-561-3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-5680	0.0	0.0	0.3	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.3	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.2	0.0	0.0	0.3	0.3
hsa-miR-5683	0.0	1.0	0.5	1.0	0.8	1.3	0.0	0.3	23.9	0.4	15.9	3.8	0.0	3.5	1.6	1.1	5.7	1.3	6.6	3.3	0.8	3.6	0.5	1.6	2.8	1.0	3.8	1.8	1.4	5.6	1.3	3.2	88.7	1.0	0.5	1.8	4.6	5.5	0.9	1.3
hsa-miR-5688	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-5689	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-5691	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-5695	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-5696	0.0	0.5	0.0	0.2	0.2	0.5	0.0	0.3	0.6	0.0	0.0	0.0	0.7	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.5	0.5	0.3	0.2
hsa-miR-5697	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
hsa-miR-5698	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-5706	0.0	0.0	0.2	0.0	0.2	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.4	0.3	0.0	0.5	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.2	0.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-5708	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-576-3p	0.0	0.3	0.2	0.2	0.5	0.7	0.4	0.0	0.0	0.6	0.4	1.3	0.7	0.6	0.6	0.5	0.7	0.0	0.4	0.2	0.3	0.6	0.2	0.3	0.0	0.0	0.6	0.4	0.6	0.0	0.9	0.6	0.0	0.7	0.2	0.2	0.6	1.0	0.4	0.8
hsa-miR-577	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.2	0.0
hsa-miR-579	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-581	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0
hsa-miR-592	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.2
hsa-miR-597	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-599	0.0	0.0	0.0	0.0	0.3	0.0	1.7	0.0	0.0	0.0	0.2	0.7	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	1.3	0.0	0.5	0.3	0.0	0.0	0.9	0.0	0.6	0.5	0.0	0.6	0.0	0.0	0.0	0.0	0.5	0.0	1.0	0.5
hsa-miR-605	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.0	0.4	0.3	0.5	0.4	0.2	0.3	0.3	0.2	0.3	0.0	0.3	0.3	0.0	0.6	0.4	0.7	0.0	0.3	0.0	0.2	0.3	0.0	0.3	0.2	0.0	0.2	0.4	0.3
hsa-miR-615-3p	0.0	0.3	0.9	1.4	0.3	0.7	0.0	0.0	0.6	0.0	0.2	0.0	0.0	0.0	0.8	0.0	0.0	0.3	0.2	0.5	0.4	0.0	0.4	0.0	0.0	0.4	0.0	0.2	0.4	0.0	0.0	0.2	0.0	0.0	0.6	0.2	0.0	0.2	0.2	0.0
hsa-miR-624-5p	0.0	0.4	0.2	0.5	0.2	0.6	0.0	0.5	0.3	0.0	0.2	1.3	0.0	0.3	0.2	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.4	0.5	0.0	0.5	0.2	0.9	0.3	1.0	0.4	0.2	0.5	0.0	0.2	0.0	0.0	0.2	0.4	0.0
hsa-miR-627	0.0	0.3	0.0	0.0	0.6	0.2	0.0	0.5	0.0	0.8	0.2	1.0	0.6	0.3	0.6	0.0	0.0	0.3	0.5	0.5	1.3	1.1	0.6	0.3	0.4	0.5	0.2	1.0	0.0	0.7	0.8	0.9	0.9	0.3	0.6	0.2	0.9	0.8	0.5	0.2
hsa-miR-629-3p	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-636	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-638	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-642a-3p	0.0	0.1	0.3	0.2	0.2	0.0	0.0	0.3	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.0	0.5	0.6	0.0	0.2	0.0	0.0	0.2	0.2	0.4
hsa-miR-644b-5p	0.0	0.4	0.7	0.2	0.2	0.4	0.4	0.5	0.0	0.0	0.5	0.6	0.6	0.6	0.5	0.3	0.6	0.6	0.3	0.4	0.3	0.5	0.3	0.8	0.0	0.2	0.2	0.0	0.5	0.0	0.0	0.4	0.3	0.8	0.2	0.0	0.0	0.2	0.4	0.4
hsa-miR-652-5p	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.6	0.4	0.0	0.2	0.2	0.5	0.0	0.2	0.4	1.4	0.6	0.3	0.0	0.0	0.0	0.5	0.0	0.3	0.2	0.3	0.0	0.0	0.3	0.0	0.2	0.2	0.7	0.0	0.2
hsa-miR-655	0.0	0.7	0.5	0.5	1.4	0.8	0.6	0.0	0.3	1.0	1.3	1.3	0.4	0.0	0.3	0.8	0.9	0.6	0.4	0.0	1.3	0.8	1.2	0.3	0.9	1.0	2.3	1.5	0.7	0.2	0.7	0.5	2.3	0.7	0.2	0.4	0.8	1.0	0.9	0.5
hsa-miR-660-3p	0.0	0.3	0.3	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.7	0.2	0.0	0.5	0.2	0.3	0.0	0.0	0.2	0.2	0.0	0.2	0.4
hsa-miR-663b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-668	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.6	0.0	0.7	0.0	0.9	0.0	0.0	0.2	0.5	0.0	0.0	0.2	0.3	0.3	0.0	0.2	0.9	0.8	0.0	0.0
hsa-miR-676-5p	0.0	0.0	0.2	0.4	0.3	0.3	0.4	0.0	0.3	0.0	0.0	0.3	0.4	0.0	0.3	0.4	0.2	0.0	0.0	0.0	0.4	0.3	0.6	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.0	0.2	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.4
hsa-miR-762	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hsa-miR-766-5p	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-767-5p	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
hsa-miR-770-5p	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0
hsa-miR-873-3p	0.0	0.1	0.2	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.3	0.8	0.0	0.2	0.2	0.0	0.0	0.2	0.2
hsa-miR-873-5p	0.0	0.1	0.5	0.2	1.1	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.0	0.4	0.0	0.3	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.4	0.0	0.4	0.0	0.5	0.0	0.2	0.0	0.9	0.0	0.3	0.2
hsa-miR-877-3p	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.4	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.0
hsa-miR-885-5p	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
hsa-miR-888-5p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
hsa-miR-891a	0.0	0.1	0.3	0.0	0.0	0.2	0.0	0.0	0.6	0.4	1.0	0.0	0.0	1.1	2.5	0.0	2.5	0.0	0.3	0.0	0.7	0.0	0.5	0.0	0.4	0.2	2.3	0.4	0.0	0.9	0.4	1.2	3.5	0.7	0.2	0.0	0.5	0.7	1.7	0.2
hsa-miR-892a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
hsa-miR-92b-5p	0.0	0.4	0.5	1.4	0.9	0.3	0.9	0.8	0.5	0.8	0.4	0.3	1.1	0.5	0.2	0.6	0.8	0.0	0.6	0.6	0.7	1.4	0.3	0.8	0.0	0.5	0.2	0.4	0.6	0.5	0.0	0.7	0.0	1.0	0.2	0.0	0.2	0.8	0.7	1.0
hsa-miR-939	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
hsa-miR-9-3p	0.0	0.1	0.7	0.7	0.6	0.5	0.0	0.5	0.0	0.0	0.2	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.0	0.0	0.9	0.5	0.7	1.0	0.7	0.0	0.0	0.2	0.3	0.0	0.5	0.4	0.2	0.0	0.5	0.0
hsa-miR-943	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
hsa-miR-944	0.0	1.0	1.1	0.7	0.4	0.7	0.6	0.6	0.5	1.4	1.6	1.4	0.4	0.6	1.1	0.7	1.0	0.6	0.9	0.6	0.8	0.3	0.3	0.9	1.7	1.7	1.2	1.3	0.7	1.6	1.5	1.6	2.4	2.8	0.9	0.7	2.0	0.2	0.7	1.4

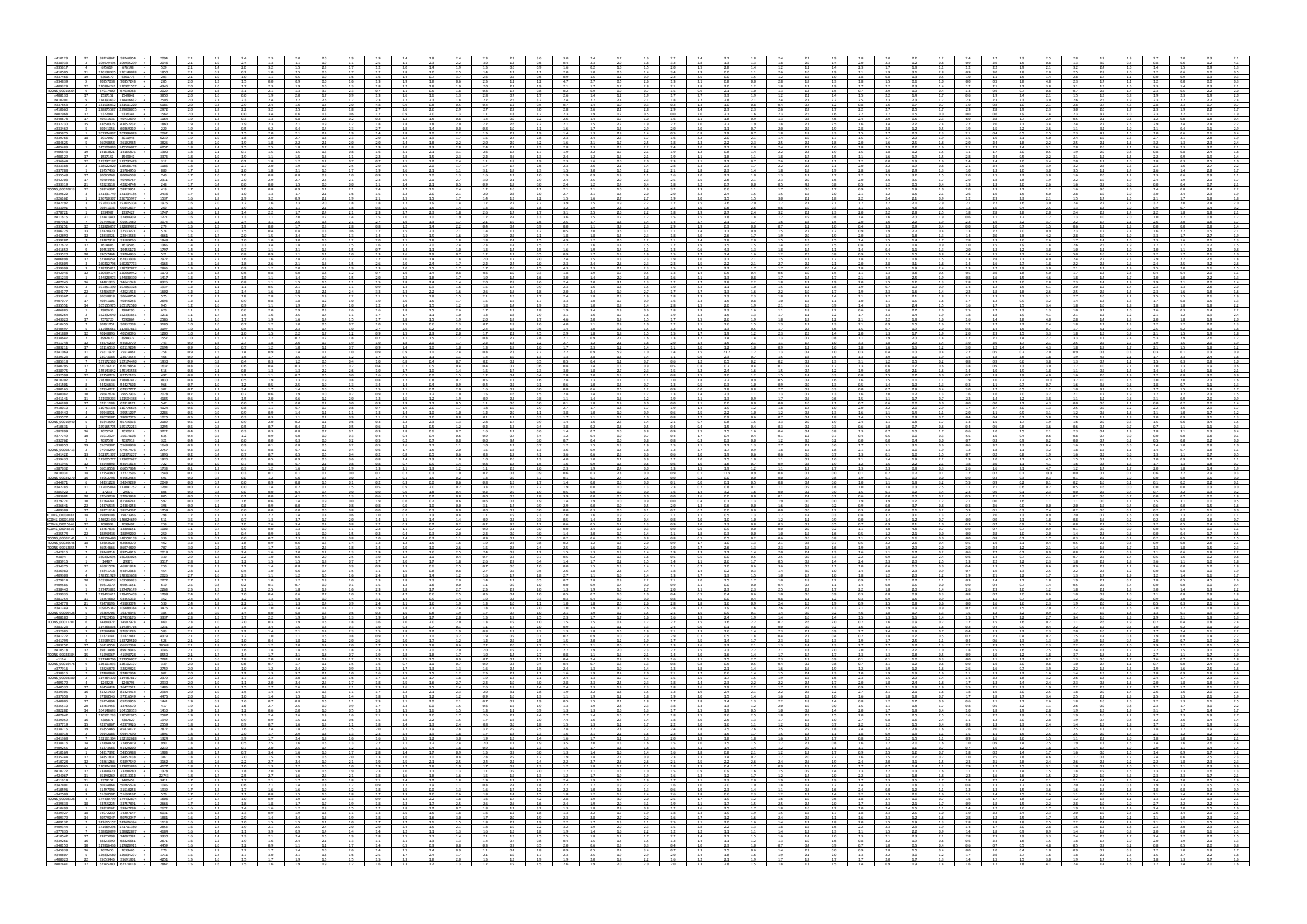
Table S5. Genomic loci, transcript length and normalized read count of lncRNAs in individual LV samples (only genes ≥ 1 RPKM in at least two sample were listed)

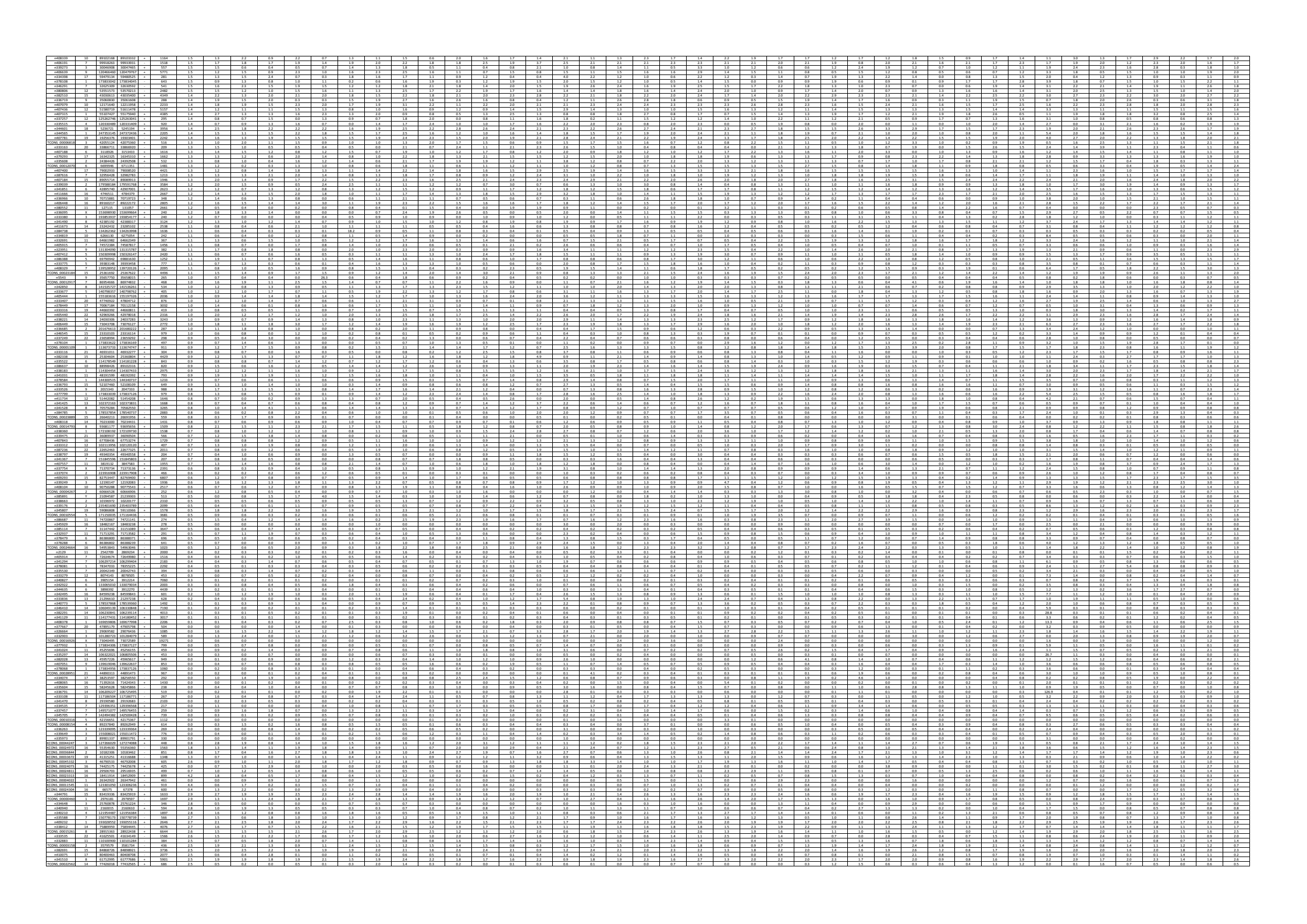
Transcript	Chromosome	Start	Stop	Strand	Transcript Length	NF1	NF2	NF3	NF4	NF5	NF6	NF7	NF8	ICM pre-LVAD1	ICM pre-LVAD2	ICM pre-LVAD3	ICM pre-LVAD4	ICM pre-LVAD5	ICM pre-LVAD6	ICM pre-LVAD7	ICM pre-LVAD8	NICM pre-LVAD1	NICM pre-LVAD2	NICM pre-LVAD3	NICM pre-LVAD4	NICM pre-LVAD5	NICM pre-LVAD6	NICM pre-LVAD7	NICM pre-LVAD8	ICM post-LVAD1	ICM post-LVAD2	ICM post-LVAD3	ICM post-LVAD4	ICM post-LVAD5	ICM post-LVAD6	ICM post-LVAD7	ICM post-LVAD8	NICM post-LVAD1	NICM post-LVAD2	NICM post-LVAD3	NICM post-LVAD4	NICM post-LVAD5	NICM post-LVAD6	NICM post-LVAD7	NICM post-LVAD8
n387722	M	8664	9991	+	1327	25869.4	23130.9	30295.1	32081.5	18749.0	24398.0	32876.8	27494.7	21556.1	28397.9	26422.8	27796.8	21910.1	18610.1	23761.7	23860.6	25645.9	21562.7	28119.9	20373.5	22261.4	23934.9	25310.7	25441.4	31794.2	27389.5	20302.2	21166.9	37501.8	28077.3	26087.0	21770.1	14181.9	15819.5	25156.7	20177.3	12206.5	18125.2	17069.0	21916.1
n385727	M	10579	12139	+	1560	23521.1	20484.0	24760.3	27259.5	17730.6	21992.5	26004.3	24879.7	19207.7	24885.4	22395.9	22258.1	21313.2	18860.1	22079.3	20128.7	25395.0	19615.4	26542.0	19716.9	20545.2	24321.5	22757.2	23046.5	30871.6	23572.6	18275.7	19261.7	36137.1	24511.1	23168.2	18656.9	12776.7	12619.6	22637.0	19228.5	12433.4	19582.3	15381.6	19433.3
n332636	M	7587	7920	+	333	19093.9	16715.2	21346.1	24262.2	8156.4	12656.5	21305.7	19238.3	12247.1	18432.9	14688.1	13625.3	13743.3	10387.8	12428.8	16716.6	17534.9	13668.2	17709.7	10684.6	9318.1	12784.6	14100.4	10936.5	14373.5	12852.8	10305.8	12700.5	19025.7	10437.6	13173.4	13037.3	7687.2	8750.2	14415.0	13063.4	5820.1	8872.3	8396.5	7924.3
n385725	M	1709	4263	+	2554	13592.2	12283.0	16355.8	16635.6	11940.7	13986.5	17161.8	13961.2	8980.0	15909.7	12828.4	13921.8	11558.1	8512.1	12209.3	12623.7	12288.6	11198.6	13044.5	10477.9	12190.4	13535.7	12651.6	13651.2	16624.0	13474.4	10782.4	11746.4	18778.3	12143.8	12654.2	10571.5	7048.6	7828.3	14526.6	10789.2	6823.0	10528.4	8835.8	10295.4
n385729	M	12338	14646	+	2308	10868.3	9348.7	13554.0	12105.8	10519.5	10055.6	15430.8	14202.4	13245.8	13226.5	10442.2	12063.1	11021.5	9311.5	9920.1	13579.4	13743.5	11581.1	11609.2	11640.7	10683.6	12248.1	16108.2	16173.6	17141.1	11521.0	6825.6	8212.7	17747.0	8445.5	9648.7	12595.4	7298.3	8089.0	13979.5	10678.8	5737.8	9724.1	8961.2	16214.5
n334052	M	15553	15889	+	336	9697.7	8086.9	10199.8	11774.0	6215.7	5442.2	12458.0	9554.5	7811.2	9713.4	7633.4	9346.6	6438.1	6127.6	8673.9	6946.0	10352.8	7218.3	9227.2	6738.8	5800.2	5905.4	7688.1	8415.3	11050.0	8881.7	6548.3	8115.5	10753.9	8368.8	11248.2	6820.9	5417.1	5962.1	8045.2	7979.9	3729.2	4609.1	5189.3	7302.0
n333358	M	1691	2339	+	648	7314.8	7319.7	8104.9	6578.7	5417.5	6595.6	11972.8	6232.1	5439.5	9087.4	7682.1	8424.7	8242.6	4455.2	5756.7	10497.4	5116.3	8249.3	8238.0	7497.6	7054.1	8126.7	10409.3	12077.7	9100.9	9319.5	7372.5	7660.5	11848.4	4414.8	8015.5	7938.6	3410.3	5494.6	12297.8	7756.6	5025.6	6486.6	7796.0	7902.3
n342203	1	566464	568061	+	1597	6318.7	5029.4	12839.2	7611.8	5094.8	3849.8	7622.1	6193.2	5214.8	11361.6	6033.0	12094.3	2764.1	2252.4	8102.1	6675.4	5060.7	9707.8	6344.2	9297.9	3106.4	9567.0	6582.2	7290.8	8633.5	10940.3	4689.5	10606.1	4643.4	2486.0	11702.3	6151.7	2769.9	6611.1	6665.9	9941.0	1819.2	6725.4	4776.4	6597.4
n342202	1	565039	566031	+	992	5125.9	2070.7	2909.3	3587.8	1997.9	1811.3	3307.4	3091.3	1560.2	3008.4	2152.6	2133.7	1464.6	1377.4	2609.8	2035.9	3360.6	2309.4	2461.4	1883.3	1594.6	1733.5	2138.5	4663.9	2929.8	2653.4	2048.2	2340.3	2633.2	1333.4	3357.6	1938.0	1704.9	1463.8	1765.9	1943.7	935.2	1291.1	1154.6	4338.2
n334050	14	23884827	23885284	-	285	1584.5	1826.2	1220.9	1078.1	432.4	459.0	1174.3	1427.4	1302.4	1487.7	1375.2	1333.7	805.1	590.0	1032.3	1755.4	1323.4	1469.3	1513.6	801.1	473.2	437.7	1689.7	1795.5	1317.6	1333.3	1899.7	2233.7	402.6	615.4	1809.5	1562.6	702.5	1189.3	1507.5	1306.6	538.6	487.0	1783.7	1454.4
n342933	12	56510374	56511617	+	469	778.5	809.5	715.8	844.9	933.4	661.2	839.9	885.4	777.1	713.7	796.4	856.6	690.9	741.7	1215.8	736.4	866.5	766.1	865.8	961.0	851.5	658.1	909.7	785.2	805.4	906.4	922.3	867.7	570.9	798.4	719.9	763.7	1477.3	818.0	992.3	750.9	792.2	663.8	938.2	756.4
n342114	6	118869491	118881593	+	1668	633.0	875.6	659.0	671.7	696.5	594.1	663.0	692.4	601.8	463.0	578.6	496.7	447.5	425.0	380.5	545.5	486.2	620.5	453.4	520.8	433.0	554.6	684.9	576.0	345.7	503.7	598.7	707.2	306.1	361.9	573.7	693.5	273.6	475.3	638.2	457.6	668.5	362.5	660.2	772.9
n342556	20	35169919	35178225	+	1163	495.4	476.3	592.8	631.6	419.5	392.0	510.3	497.0	361.2	459.6	510.5	552.3	466.7	854.0	752.5	484.8	580.2	388.2	489.3	563.4	454.3	521.6	658.4	542.0	310.6	459.1	631.5	702.7	356.2	679.8	708.3	745.9	423.7	503.3	443.2	610.3	463.7	603.1	635.0	436.2
n405976	20	57464180	57486248	+	1638	490.9	463.8	382.8	407.5	598.0	470.4	392.9	457.4	481.8	498.3	465.0	568.5	510.9	553.0	548.0	523.9	485.4	450.3	491.2	454.6	483.9	462.3	459.8	531.2	399.2	497.4	538.2	590.4	415.3	548.4	571.1	530.7	427.7	522.8	546.4	480.3	526.9	453.8	496.5	483.9
n407455	13	27825693	27830700	+	562	421.8	458.0	380.7	411.5	534.8	363.6	367.4	436.7	365.6	349.8	383.5	409.3	400.0	420.6	548.9	318.0	413.1	387.8	427.7	479.9	468.2	349.7	446.2	342.0	334.8	451.2	451.3	437.9	293.8	492.4	388.4	343.6	673.7	381.4	497.5	370.7	458.6	313.1	463.1	392.1
n333986	19	45810705	45810918	-	213	360.3	422.0	425.4	481.9	110.3	109.4	361.0	250.4	235.5	226.4	347.0	277.1	125.7	81.7	129.9	265.1	205.2	254.5	267.1	185.7	90.6	79.0	160.2	276.0	172.8	207.3	322.7	280.6	50.1	84.8	273.6	224.5	124.0	215.0	255.1	257.4	86.0	55.6	205.4	297.2
n332603	19	36245427	36246209	-	782	349.2	396.1	482.7	386.9	436.5	281.6	370.9	409.2	758.5	1030.3	882.9	805.0	928.0	845.6	598.4	1263.0	1181.8	752.8	895.7	196.2	1105.8	634.0	915.2	474.1	383.2	480.4	803.2	1039.1	387.3	1101.4	1102.6	911.6	331.2	484.0	370.8	669.5	801.8	797.1	676.7	417.0
n342706	5	150400124	150408544	+	1625	331.4	301.6	257.0	429.7	388.4	379.4	333.3	229.3	190.3	227.3	284.8	191.0	253.0	230.1	286.3	328.3	237.0	222.8	200.6	204.9	337.7	217.2	179.4	183.4	240.4	186.7	332.7	211.6	163.3	201.1	154.2	231.0	469.3	214.0	139.6	251.2	215.5	259.3	276.9	135.6
n343066	11	2016406	2019066	-	2308	308.0	120.4	165.0	397.3	323.7	98.2	169.6	171.5	151.1	133.6	111.9	174.5	78.8	101.4	90.4	151.4	132.5	119.2	140.4	98.3	163.2	120.7	119.3	168.1	152.5	152.4	95.2	232.0	71.9	125.7	185.9	192.2	112.8	198.7	121.7	124.3	117.4	142.2	87.6	118.1
n407932	X	135228861	135293519	+	2588	301.9	733.2	412.8	168.9	668.3	233.9	191.2	276.0	375.0	529.5	353.9	387.1	435.9	458.2	483.8	486.5	657.5	516.5	443.2	236.2	522.8	471.6	633.3	321.5	232.4	406.7	798.8	729.6	314.9	506.0	915.8	843.8	386.2	507.7	381.1	1004.5	695.4	1276.8	1248.7	385.0
n333428	M	9206	10021	+	815	294.0	193.2	566.3	314.8	309.9	1137.8	4489.0	483.0	777.0	437.5	809.7	3482.9	467.7	793.9	1714.7	1695.7	349.2	224.7	548.1	1173.8	2288.1	769.6	783.4	3478.7	7262.5	501.1	241.9	1482.4	2552.6	937.0	2443.8	1189.2	291.9	388.0	1017.0	1533.7	278.7	491.6	707.6	2789.6
n342407	19	48281921	48287939	+	796	271.3	263.7	279.7	308.5	327.7	285.8	303.3	254.3	222.2	215.8	225.0	210.4	318.1	322.8	229.7	227.3	226.0	201.4	247.7	227.9	217.4	243.2	252.8	208.5	206.7	208.9	248.2	286.2	222.1	324.7	261.2	276.2	173.0	231.2	323.3	247.9	321.4	234.6	267.0	242.1
n385730	M	15999	16572	+	573	260.4	230.3	647.2	427.1	381.2	325.5	357.7	422.1	338.1	418.2	165.9	406.7	291.7	293.0	353.8	197.8	240.1	287.0	218.5	283.2	342.4	400.1	366.0	202.1	567.2	363.5	196.3	534.7	488.7	442.5	394.3	174.6	183.6	207.1	305.8	332.4	274.1	309.2	312.9	196.3
n410320	1	144676437	144680026	-	870	210.4	171.7	148.9	161.8	194.9	119.3	200.4	149.3	203.6	242.4	210.3	174.9	186.4	246.3	134.7	137.7	177.0	261.7	155.6	114.9	129.9	169.7	106.9	97.0	122.1	186.7	251.9	179.3	110.3	173.5	199.9	122.0	89.9	231.4	164.2	174.4	194.5	211.1	99.6	121.5
n340297	4	186515038	186696443	-	2010	206.2	165.3	109.3	101.2	121.1	124.0	94.1	204.0	237.1	258.7	169.6	225.2	177.3	209.3	83.6	199.5	267.7	225.1	258.8	131.5	196.4	206.4	303.9	237.6	81.5	186.1	169.5	226.3	91.7	79.2	113.9	142.0	84.9	179.1	151.8	141.9	225.4	114.5	159.4	234.3
n342783	11	107992258	108018276	+	1517	175.7	192.3	182.0	132.0	154.4	175.6	142.5	162.2	143.3	141.9	185.5	173.8	174.7	127.3	101.2	134.8	131.5	166.3	139.5	111.1	126.7	164.0	159.9	151.7	123.0	127.8	200.5	208.3	99.9	194.7	152.9	140.1	81.6	130.0	175.0	145.0	155.9	130.7	176.7	183.7
n407915	12	6977278	6980111	+	1594	171.2	177.9	182.6	165.6	176.7	158.8	160.4	149.7	181.7	187.4	193.3	215.8	171.7	180.3	144.6	182.3	165.3	175.8	191.9	169.6	185.4	168.9	201.3	194.1	123.1	152.1	181.2	179.7	129.7	206.1	152.2	188.1	112.7	167.2	181.8	153.2	162.8	144.6	166.5	180.0
n335773	15	45003731	45007846	+	305	164.7	128.7	115.2	164.0	110.0	68.8	145.0	156.6	172.1	134.4	121.2	98.0	166.1	70.4	276.0	134.2	196.2	124.6	140.1	193.8	80.2	63.9	158.9	188.1	89.5	183.4	179.9	170.3	61.4	100.7	152.8	146.0	338.6	160.0	129.8	144.5	96.5	43.8	205.1	188.4
n410154	5	133307566	133340658	-	2071	155.9	145.9	149.7	138.6	145.7	146.6	137.8	156.8	128.9	138.5	153.9	171.9	152.7	142.5	101.4	149.3	117.5	143.8	132.9	122.7	128.3	132.3	151.1	156.9	93.2	116.1	148.8	160.7	101.9	147.3	112.2	151.1	77.9	133.8	137.7	126.4	159.3	117.0	130.2	151.6
n336264	19	49468589	49468844	+	255	151.8	169.6	139.4	230.8	241.4	136.5	183.4	223.8	334.2	172.0	193.4	141.3	329.7	172.1	722.3	261.2	353.5	210.1	230.7	352.3	361.9	115.8	155.5	186.4	227.1	389.6	200.8	241.1	181.3	145.8	164.0	198.4	751.7	202.8	173.5	167.2	182.4	123.9	215.4	196.1
n409399	5	96079244	96109117	+	1799	145.6	108.5	107.4	95.5	102.3	116.4	75.8	95.4	111.4	126.8	117.0	93.4	97.5	97.0	76.0	132.0	101.3	133.4	89.6	94.4	72.0	112.5	111.3	136.3	73.7	91.3	153.4	115.4	54.9	67.3	72.0	123.9	79.3	116.2	105.7	112.3	75.7	91.2	116.3	126.2
n411603	16	58534047	58547524	+	3261	144.1	191.8	188.4	152.4	179.6	184.2	185.5	160.3	155.1	154.3	184.0	127.4	116.0	127.5	76.1	160.7	118.6	131.8	163.0	97.8	99.5	125.2	142.1	122.9	111.2	105.0	181.2	165.8	68.2	133.7	134.4	146.4	78.6	130.7	176.4	166.9	139.8	149.5	173.3	142.0
n408000	3	42734155	42743014	-	1750	132.0	174.0	151.0	134.8	132.2	162.6	136.4	98.7	135.6	152.6	163.8	217.1	109.6	107.3	100.1	140.7	103.4	76.6	131.1	135.1	123.6	144.6	131.8	175.1	116.8	139.5	201.7	169.4	82.3	152.2	152.9	156.3	70.7	75.9	142.9	127.2	134.4	115.2	108.0	128.1
n343070	11	65265233	65273941	+	8708	131.5	93.0	102.4	82.0	42.6	90.0	108.1	101.1	93.8	84.8	92.3	64.2	38.9	56.0	28.8	66.7	84.6	81.1	102.8	84.2	51.9	73.6	74.6	66.0	91.3	103.2	44.7	50.9	30.8	66.9	48.2	51.5	73.6	68.1	102.0	90.5	74.6	58.6	48.9	106.2
n381022	1	569327	570350	+	1023	131.1	111.7	122.0	143.5	26.8	23.5	142.4	42.6	105.2	132.8	129.1	122.9	29.1	16.3	96.6	53.3	115.3	99.9	137.0	98.7	25.7	21.7	74.8	100.9	132.2	143.0	92.6	86.4	56.7	25.3	118.5	44.0	67.8	92.2	111.7	93.8	13.2	20.1	63.7	87.4
n335619	15	66791679	66792426	-	343	129.5	141.1	106.2	137.7	107.5	71.7	108.6	114.4	135.1	112.9	115.9	139.7	84.1	96.6	199.4	101.7	156.8	125.4	128.9	141.2	114.1	68.9	137.9	131.7	124.8	151.9	126.1	98.6	74.6	119.6	166.6	133.5	227.4	125.2	153.2	110.9	98.7	79.1	147.8	117.8
n409268	5	102201527	102366809	+	5273	124.6	120.1	119.8	87.4	120.0	96.0	100.2	90.0	134.7	138.7	148.2	144.0	129.4	186.2	85.8	145.8	142.6	130.6	132.1	104.5	133.7	154.0	138.0	119.2	73.9	88.2	133.1	117.8	63.1	112.1	92.8	113.5	67.9	120.6	100.4	107.7	131.7	141.7	105.6	127.5
n335584	5	79947242	79947866	-	624	115.9	126.3	129.7	151.0	23.6	48.8	192.0	115.9	82.8	119.1	123.6	115.1	34.7	24.1	77.9	140.4	96.0	74.4	99.7	90.0	27.1	22.4	108.6	110.8	209.2	99.6	146.0	160.5	41.1	26.5	100.9	96.7	47.2	57.0	137.6	170.9	15.5	25.2	137.5	99.1
n342897	12	49521755	49580622	-	1344	110.7	108.2	121.9	159.4	133.1	76.3	94.9	154.1	144.1	109.2	90.8	93.9	110.3	196.9	199.3	111.6	116.0	114.0	141.6	159.8	165.5	102.7	103.2	79.3	83.2	132.1	105.6	121.5	140.9	125.8	107.8	173.1	166.2	147.4	71.5	109.7	116.3	144.2	108.2	89.4
n380683	11	65266516	65271101	+	4585	100.3	103.6	79.4	92.1	53.6	100.0	108.5	83.6	76.6	101.0	83.7	96.3	118.7	86.1	41.4	87.9	97.5	74.7	83.5	67.8	84.7	81.4	110.5	70.3	95.1	88.3	65.8	73.5	79.2	117.1	71.7	58.5	48.8	65.2	110.6	69.2	73.7	87.4	77.4	100.6
n405708	12	54674533	54678664	+	1356	99.4	114.0	95.1	123.0	121.9	87.0	95.2	85.9	106.9	92.2	110.2	121.7	114.6	106.9	158.9	111.7	111.3	102.8	107.7	131.1	120.4	108.1	115.0	106.7	98.4	128.4	152.9	118.6	94.3	120.2	99.5	112.4	202.3	129.7	125.4	111.3	121.1	106.7	147.1	118.0
n410533	17	79476997	79479893	-	1837	97.0	63.7	71.0	82.9	119.5	111.8	81.3	102.9	147.2	115.2	88.0	98.7	140.6	158.5	291.1	96.4	113.6	94.8	111.1	176.9	180.8	95.3	92.8	83.3	113.5	206.2	75.7	79.8	123.1	184.2	72.6	115.2	436.1	216.2	94.6	105.9	147.4	121.8	154.2	84.9
n407934	7	16685759	16746149	+	1737	96.8	108.0	86.2	52.6	80.2	85.9	78.1	92.9	68.2	71.7	83.6	69.8	75.1	76.8	52.1	79.7	53.4	83.4	72.9	62.2	63.6	67.5	70.5	68.6	55.7	72.1	88.0	91.6	51.1	86.2	79.9	94.2	41.5	79.4	96.1	83.4	87.0	67.5	78.2	83.7
n337216	7	5568087	5568834	-	305	92.4	79.9	103.5	106.4	98.7	79.8	105.9	127.1	164.6	97.0	112.7	70.6	106.3	86.0	323.6	94.4	129.4	75.4	122.7	145.0	110.9	62.4	83.8	97.3	116.0	293.5	94.5	116.0	79.6	126.1	99.0	139.3	385.7	181.1	94.0	110.5	114.0	98.2	151.9	110.6
n406556	17	1247834	1303557	-	1860	91.2	102.0	80.8	86.0	75.7	73.0	76.8	94.0	94.7	92.4	87.4	90.5	91.5	92.3	100.9	97.6	93.4	96.5	86.0	87.8	87.7	74.1	111.8	97.8	61.2	99.6	107.3	105.6	62.4	86.8	83.2	101.0	95.1	98.4	91.1	96.7	96.1	79.4	119.0	97.2
n378671	2	179388221	179400580	+	529	89.7	83.7	74.3	71.4	49.1	31.4	60.6	74.5	64.3	59.1	72.4	34.9	26.1	45.5	5.2	52.5	57.3	55.4	67.4	46.8	30.2	34.4	49.3	44.9	32.7	36.5	57.3	51.6	9.1	8.4	50.5	38.8	28.2	58.2	61.2	66.0	70.8	30.7	51.3	68.4
n337862	X	134166392	134167545	-	1153	88.8	94.6	91.5	108.0	127.5	107.1	95.3	114.9	124.6	95.4	117.4	121.8	127.4	143.2	106.9	132.5	118.9	110.4	114.6	84.1	117.9	103.5	99.2	93.6	103.0	85.5	118.7	126.1	93.9	151.9	126.3	127.7	81.8	124.7	102.5	107.0	136.9	111.6	105.6	93.4
n405475	1	226250428	226259704	+	1042	87.8	88.6	85.2	113.4	109.4	84.2	90.3	87.0	114.3	86.9	116.0	110.4	116.4	103.3	127.3	94.8	99.0	92.9	95.5	115.2	106.0	90.9	100.3	92.8	71.7	100.2	108.0	113.7	70.3	119.6	102.3	114.7	141.0	112.4	108.1	89.4	126.2	85.9	125.5	101.3
n343060	11	65190269	65194004	+	3735	84.8	78.4	90.8	88.1	101.6	151.4	201.9	58.4	139.9	64.1	98.2	79.6	91.7	74.7	100.8	157.0	110.5	66.7	81.6	126.4	110.7	99.1	90.2	62.1	212.1	283.1	137.4	115.3	112.8	139.0	104.9	166.3	301.0	83.9	124.3	161.0	106.6	100.4	156.1	117.4
TCONS_00019669	11	65266538	65278492	-	3579	84.0	102.6	65.9	82.5	42.2	54.0	93.3	88.4	60.8	86.4	77.7	119.2	82.1	53.8	36.8	108.1	96.8	60.2	83.9	54.1	54.5	49.9	92.8	90.9	99.5	92.3	69.5	79.5	86.5	61.7	72.2	60.0	23.0	44.5	106.9	62.1	41.5	45.7	70.8	79.5
n338841	2	54684398	54856342	+	2164	83.9	71.4	68.7	57.7	66.2	62.9	56.2	92.5	98.3	74.3	71.2	48.3	56.5	64.1	54.1	79.4	89.4	90.8	88.1	113.4	81.4	81.1	77.6	69.7	34.5	76.5	63.3	62.6	26.5	24.9	55.4	60.8	76.8	101.2	51.9	87.9	98.4	65.2	75.6	109.8
n409320	10	76970300	76991208	+	1871	80.8	85.2	86.8	81.0	79.3	77.0	68.1	77.8	82.5	84.8	94.4	90.7	83.1	90.1	64.5	82.5	67.1	84.9	77.9	71.7	74.7	81.2	85.2	87.1	56.1	73.9	95.5	86.9	53.5	89.6	75.8	83.0	53.6	84.8	81.6	78.6	83.8	68.3	81.6	92.5
n335737	6	74229103	74229804	-	334	76.0	74.0	46.8	67.2	102.8	49.5	70.3	112.9	139.9	88.1	89.9	150.3	70.5	74.6	283.1	92.9	178.9	153.6	113.6	248.9	109.5	61.4	74.6	140.3	87.4	176.0	92.6	97.6	59.1	50.9	65.2	81.6	356.0	175.9	67.4	84.4	80.1	68.6	107.6	65.3
n337774	1	24383964	24438666	-	4367	75.1	97.6	84.0	81.8	93.0	73.8	63.0	91.8	81.3	65.7	92.3	63.2	79.2	73.9	47.0	100.6	63.1	82.4	66.9	61.5	83.3	74.6	78.8	65.3	57.2	48.9	98.9	79.7	38.6	60.5	65.9	61.8	42.9	95.3	52.6	116.7	135.7	96.7	122.9	70.3
n335609	17	39847468	39847897	+	429	74.7	87.3	67.7	65.6	56.6	55.6	52.7	60.1	80.0	90.4	105.4	88.3	77.1	64.5	101.7	89.8	70.9	80.0	70.7	74.7	65.2	52.6	75.1	63.1	71.9	89.1	93.4	83.4	57.1	105.2	75.3	67.5	139.3	96.5	83.4	69.6	78.4	54.0	78.5	62.4
n407440	X	153626571	153630681	+	2155	73.2	77.0	58.4	67.0	111.6	60.7	65.0	80.0	72.7	60.8	76.2	91.7	66.0	76.8	111.9	60.3	72.8	77.7	78.7	95.8	88.6	63.9	73.2	77.0	62.8	83.4	78.1	76.3	55.2	76.4	75.7	67.7	133.3	84.3	87.5	65.3	78.5	63.6	78.8	67.5
n407015	11	129939716	130014707	+	3274	71.5	64.8	50.7	60.1	107.2	72.0	55.2	70.2	93.9	71.9	79.0	75.4	88.7	80.0	103.5	74.7	93.7	93.5	81.5	81.9	99.3	89.9	90.7	74.9	77.4	78.3	88.5	79.3	59.7	85.2	65.2	71.1	77.5	105.2	79.8	72.6	91.5	92.5	91.1	75.5
n342841	8	56979854	56987069	+	1825	70.0	79.2	60.7	77.4	101.6	59.5	68.8	67.2	65.5	58.6	66.6	78.1	76.2	73.9	118.0	58.8	91.2	58.5	66.5	80.5	84.1	53.3	79.5	63.9	72.7	73.2	75.1	89.2	56.4	92.5	109.6	70.5	142.3	66.5	85.2	67.1	75.0	56.5	84.9	65.3
n408290	11	18415936	18429766	+	2090	68.5	28.8	57.8	141.5	96.6	42.0	71.8	91.3	99.7	103.9	82.3	74.6	76.2	115.8	81.7	89.9	80.6	64.0	87.1	52.5	116.7	55.5	55.9	71.2	48.2	74.0	43.6	56.3	51.8	64.4	56.6	101.1	78.4	64.3	57.8	47.5	67.8	33.7	43.6	54.8
n342469	16	28854108	28857679	-	1621	68.4	69.0	74.3	84.9	70.8	75.0	68.5	78.0	76.0	67.6	79.4	78.6	72.1	58.6	63.7	68.5	75.2	81.7	72.9	66.8	68.4	79.3	76.0	79.8	73.2	57.8	76.2	80.6	54.3	73.4	64.3	72.2	48.2	75.8	74.9	72.2	66.4	71.9	69.1	72.8
n341856	12	20835231	20837007	+	1776	66.3	43.6	43.8	45.5	46.4	50.6	35.5	33.0	60.5	52.7	56.0	76.2	50.5	42.4	32.4	63.0	38.7	42.9	51.5	37.8	48.9	49.8	57.3	60.0	41.5	46.0	69.3	51.6	25.6	52.0	40.4	47.2	27.9	34.1	71.7	29.1	46.7	22.9	43.3	80.1
n409377	11	118272104	118280563	+	1391	62.3	70.4	67.3	60.5	51.8	51.9	60.7	71.1	67.9	74.0	65.0	77.8	64.1	58.3	44.4	58.7	58.9	68.4	70.7	53.1	54.9	55.0	70.5	66.7	54.8	54.5	75.6	72.0	47.4	80.9	66.9	67.4	39.9	62.6	67.8	60.5	58.6	44.5	65.0	71.4
n405458	12	93771746	93796053	+	3776	61.5	48.3	43.4	144.4	53.6	42.5	80.3	66.4	60.6	46.7	54.9	50.4	48.5	42.4	33.2	62.9	43.8	43.8	55.7	48.2	43.4	55.9	45.0	54.4	56.1	50.1	54.1	41.1	29.2	44.1	28.2	46.7	43.6	51.9	82.5	44.4	40.9	36.8	51.8	63.0
n405916	20	43991809	44039251	+	1344	60.5	50.7	51.1	68.8	42.8	39.3	40.5	46.6	46.6	57.2	55.5	51.2	39.6	38.6	29.2	43.4	37.2	41.4	49.5	34.3	35.2	39.6	50.7	47.4	26.3	37.8	53.4	55.6	26.2	41.1	39.2	41.6	21.9	32.8	46.6	32.4	34.3	18.4	38.0	48.3
n409289	19	52693055	52729679	+	2408	59.1	59.6	59.4	51.2	79.7	65.9	58.4	65.5	75.0	71.6	81.0	103.5	78.7	81.0	77.8	85.1	74.2	79.6	76.1	63.8	73.2	70.6	67.9	80.5	70.9	65.9	78.8	79.0	61.4	92.3	79.4	84.6	56.2	88.5	64.7	69.7	75.9	74.8	68.8	59.7
n408377	6	75947391	75953645	-	754	57.8	68.9	75.1	57.3	46.8	47.4	66.2	64.4	59.9	59.5	65.4	79.9	46.1	46.0	49.4	56.7	59.7	64.8	68.4	63.0	41.5	45.9	71.1	58.7	51.5	48.3	63.9	80.5	32.5	54.8	59.9	61.2	38.4	64.6	49.7	62.2	38.9	41.0	59.3	64.1
n333359	19	49995207	49995578	+	371	56.5	47.5	31.4	52.3	51.4	33.0	69.2	48.2	43.9	45.4	44.6	38.6	33.7	26.4	81.2	55.4	38.8	44.2	40.5	47.0	39.4	28.4	51.3	48.3	53.4	80.2	49.7	48.2	31.2	38.1	49.5	55.3	98.0	41.3	54.5	34.5	32.1	22.7	51.9	38.3
n334056	7	5567624	5567836	-	212	55.6	44.9	68.3	86.1	28.5	25.8	67.5	83.8	92.2	58.0	59.5	40.2	28.2	26.4	213.3	65.4	84.3	55.9	73.0	81.0	42.5	20.6	62.2	50.2	90.6	197.2	56.1	82.5	26.6	45.6	71.3	84.1	215.3	91.9	61.3	57.8	31.7	26.9	92.6	70.1
n407887	20	34633540	34638883	-	5343	55.6	43.3	47.6	37.4	44.9	40.9	40.1	44.1	55.0	44.8	60.6	43.1	39.7	45.6	31.2	43.1	48.1	64.4	47.5	78.1	47.8	52.3	47.2	47.7	41.5	47.8	50.9	46.3	27.4	20.5	31.1	41.3	44.0	60.5	49.2	53.0	54.3	45.8	40.4	54.6
n409226	3	58413357	58419567	-	1597	54.1	65.6	58.7	50.6	55.8	60.2	60.8	58.2	57.7	45.1	63.2	51.4	61.8	55.5	44.8	57.2	43.9	57.7	53.4	51.1	49.1	59.3	53.8	47.5	44.2	42.0	64.9	64.6	42.3	65.7	56.6	60.0	30.3	56.6	60.5	56.8	60.1	52.0	59.3	59.8
n340236	4	141309607	141348783	-	2704	53.7	26.2	26.8	33.7	28.2	29.3	34.2	30.0	31.8	19.6	30.1	24.3	25.5	19.6	20.2	37.2	24.2	23.7	23.1	24.8	19.6	25.3	26.4	32.4	20.2	22.1	29.3	24.7	11.2	24.6	21.4	23.0	13.9	21.5	38.3	20.1	23.2	10.8	23.0	37.8
n335614	11	10818632	10819443	-	811	53.6	46.6	41.1	38.6	67.6	37.8	35.8	37.8	60.6	58.8	64.4	81.2	102.7	102.8	80.7	58.8	43.3	57.9	61.1	60.3	82.8	45.3	61.6	49.3	55.1	51.1	63.8	36.5	76.9	109.7	75.9	68.7	68.1	92.8	42.1	63.1	57.8	62.5	68.6	48.5
n411744	1	47100711	47131551	-	1781	52.8	56.1	58.9	57.2	56.3	58.1	54.9	60.8	59.1	62.1	76.9	66.5	77.4	80.7	52.3	68.0	65.2	80.0	62.2	62.5	55.8	64.2	59.9	63.1	51.8	56.3	78.5	67.5	51.7	72.9	49.1	67.5	33.0	75.2	63.6	65.2	60.1	58.9	62.6	61.7
n408072	22	51007290	51021429	-	4276	52.5	56.5	56.6	53.1	67.4	45.1	56.5	72.0	54.5	54.1	62.1	79.2	64.5	37.4	48.9	50.1	57.5	59.3	64.3	55.8	59.2	64.8	72.1	66.0	46.7	42.7	86.4	77.9	45.9	42.9	48.3	58.2	40.3	64.6	71.5	72.4	52.8	58.6	74.7	66.3
n408119	15	90808895	90815444	+	1760	52.5	52.9	59.2	55.9	66.5	53.2	50.2	59.4	58.2	60.9	67.8	61.4	70.4	97.0	61.7	60.1	58.4	52.6	53.0	61.3	52.9	54.0	53.1	54.8	49.7	48.0	60.0	59.1	49.0	74.3	49.5	65.4	50.0	61.2	55.6	56.9	72.3	57.3	54.6	51.6
n337471	7	5568321	5569259	-	361	50.4	44.1	63.3	86.1	48.1	41.7	67.4	85.9	89.3	56.7	57.5	37.2	61.9	40.0	187.2	53.3	95.4	46.6	69.1	71.0	52.5	30.9	52.0	48.4	68.8	165.2	49.8	66.8	33.5	58.3	61.4	90.4	202.6	88.9	56.9	60.6	60.4	47.4	99.6	78.5
n409369	4	666225	668128	-	310	50.1	49.5	41.9	47.6	15.8	15.3	45.2	39.9	51.9	48.9	58.6	54.7	24.6	15.4	54.3	44.3	55.6	48.8	47.9	59.4	17.0	16.3	61.4	45.0	56.1	45.2	48.7	44.5	15.6	23.6	57.5	43.6	35.2	49.4	54.3	46.1	20.1	13.9	52.8	47.7
n335671	6	26055935	26056501	-	566	50.0	24.1	41.5	36.7	28.3	51.8	58.1	32.0	14.3	22.3	32.5	24.1	34.0	59.6	19.7	63.8	32.7	17.1	20.0	19.9	22.4	26.2	16.9	20.8	14.8	14.8	29.6	23.6	21.4	60.8	30.5	62.2	21.4	19.3	21.7	31.8	18.9	21.4	17.1	31.9
n333749	16	2012062	2012527	+	238	49.0	73.3	40.1	82.4	52.0	14.4	50.8	64.9	64.3	65.3	63.4	69.6	27.0	37.1	93.6	45.5	70.1	57.4	78.4	77.0	43.2	26.0	67.2	46.8	48.8	68.7	67.9	67.4	19.5	29.9	83.2	53.8	141.8	69.0	73.2	50.9	30.0	21.4	68.5	35.4
n333361	14	102551262	102553372	-	782	48.4	48.0	45.7	42.6	48.0	36.6	38.8	46.2	56.6	60.7	46.8	35.5	64.1	53.6	39.9	50.3	66.9	69.5	55.7	50.4	54.1	47.2	58.7	60.4	24.0	52.4	60.9	59.8	29.1	24.6	45.2	59.3	56.8	72.1	43.5	69.3	59.8	63.7	75.2	63.3
n335664	8	145537786	145538381	+	595	47.3	57.6	62.4	40.4	60.4	53.7	51.9	58.7	46.7	48.2	65.2	61.2	59.5	56.5	42.9	46.7	48.9	49.6	45.8	47.4	34.2	45.4	47.8	49.2	49.2	48.6	69.4	56.1	45.7	72.1	60.6	52.5	36.3	60.2	58.7	47.5	49.7	36.0	51.2	45.6
n406648	4	95373038	95589378	+	5682	46.6	48.3	40.4	62.0	51.1	31.9	31.0	43.2	41.5	39.7	43.3	44.1	32.3	40.4	29.5	42.2	49.7	49.5	40.1	45.6	38.1	39.7	45.9	51.1	27.9	40.5	50.7	48.3	21.9	26.0	44.1	43.0	35.6	46.9	44.2	50.0	56.1	41.5	44.9	50.6
n333391	16	89627330	89629513	+	732	46.4	52.4	37.5	61.0	47.9	28.4	41.4	48.7	52.9	46.8	41.2	44.9	24.6	38.4	69.5	36.8	56.9	43.4	50.2	49.7	43.5	25.2	50.3	42.0	52.3	64.7	51.4	66.6	25.3	38.3	52.9	47.3	100.2	47.3	54.4	39.6	31.6	27.6	46.0	38.5
n406416	7	112756773	112758638	-	1039	46.3	48.9	42.5	43.0	49.8	44.1	48.2	45.2	52.7	53.0	61.1	63.0	59.5	61.2	46.7	51.8	46.7	59.4	44.4	45.7	48.0	52.4	54.5	54.0	43.8	46.6	56.5	61.9	39.7	64.6	62.3	58.5	31.5	55.5	53.4	47.2	50.3	48.3	53.8	50.6
n405560	5	137136882	137146440	+	2987	46.2	57.1	41.9	42.5	52.7	36.1	32.4	49.6	55.2	56.3	38.1	44.3	38.8	61.7	33.5	47.4	55.5	52.7	45.8	38.6	39.7	48.0	51.2	55.6	24.1	45.8	42.1	58.2	31.4	25.3	54.7	55.4	20.5	32.7	38.9	37.4	46.8	48.6	53.8	48.4
n409244	22	32455157	32509012	+	4774	46.0	38.5	36.9	50.0	27.4	24.7	38.6	43.4	23.8	15.1	24.6	11.6	18.4	10.9	7.1	28.5	8.6	13.4	18.5	13.9	23.6	27.6	28.2	19.3	17.6	10.1	37.7	21.1	10.0	20.2	18.1	22.5	8.0	17.9	26.0	34.0	31.6	20.6	30.4	35.0
n405950	14	55603701	55612149	+	1956	45.9	37.5	32.1	35.2	68.0	42.1	33.4	40.0	33.5	24.5	34.9	30.0	36.3	35.0	51.7	41.7	34.2	36.3	28.9	40.7	50.3	43.8	37.4	35.2	26.4	34.6	42.5	27.2	25.4	39.2	40.1	45.0	35.7	34.6	44.9	31.4	37.5	27.2	35.7	45.1
n410528	15	44084174	44088288	+	2460	45.4	47.0	54.8	51.0	44.5	40.8	54.3	49.8	50.6	48.7	54.4	51.5	46.4	54.5	57.5	43.5	56.0	47.6	45.2	57.7	45.4	41.6	44.7	47.2	46.1	43.8	47.2	52.4	37.8	47.0	46.5	52.0	50.4	53.9	46.7	52.8	45.5	38.9	42.6	43.4
n342466	2	232573236	232578250	+	1202	45.0	47.3	42.8	78.2	57.0	41.3	52.6	45.0	79.4	57.6	49.6	50.1	66.5	59.5	160.5	50.5	60.3	51.1	53.8	88.3	61.5	37.2	54.2	47.3	60.9	97.9	40.1	47.2	67.5	70.6	59.9	81.9	185.7	84.6	60.5	46.1	48.5	45.4	68.0	48.5
n335616	2	176042873	176044906	-	530	44.5	50.1	50.9	34.0	38.7	33.6	54.1	37.7	46.3	33.2	60.6	55.0	41.5	36.0	34.4	41.8	24.9	37.2	38.4	50.9	36.7	32.0	36.9	37.8	32.5	29.0	46.6	34.5	30.6	56.3	59.4	48.3	21.7	53.9	46.4	43.9	39.9	27.3	41.2	40.8
n409763	19	5894681	5904025	-	923	44.5	52.2	50.2	56.3	52.7	45.5	55.2	54.4	48.9	49.2	50.2	67.6	41.4	45.5	43.2	45.3	46.2	46.5	52.1	44.7	41.1	41.8	51.7	51.0	48.8	41.4	54.0	61.4	38.3	53.3	55.8	56.4	37.6	53.9	60.3	47.9	45.5	40.5	49.7	42.7
n408153	14	35179588	35183762	-	3102	44.3	102.3	88.2	54.6	75.4	48.0	54.9	61.8	52.3	71.5	63.8	74.8	66.8	109.6	57.6	55.1	83.1	84.8	63.6	46.9	73.1	68.9	81.5	64.4	41.5	72.0	106.2	111.8	54.3	75.9	119.4	112.0	58.7	80.7	66.6	121.6	105.6	163.3	145.6	66.2
n409414	14	75348594	75370451	+	2784	42.8	48.4	47.1	44.6	43.8	50.0	37.5	50.5	52.1	48.9	61.0	50.8	51.8	47.8	43.0	51.7	40.4	59.1	48.9	48.8	50.7	51.6	52.5	53.1	41.3	41.9	52.4	53.6	36.1	48.6	42.8	51.0	34.5	59.3	47.2	49.2	48.1	47.5	45.4	53.8
n335090	1	159888187	159888444	-	257	42.7	34.0	44.5	43.2	35.8	32.5	39.0	39.1	84.2	48.5	40.4	40.8	30.6	23.7	115.3	36.9	38.2	43.3	52.3	75.1	53.6	34.8	32.1	28.1	43.1	64.1	42.7	37.1	35.3	42.6	42.9	51.9	109.1	56.9	35.2	43.3	27.4	23.6	58.7	35.8
n335576	1	209849031	209849339	+	308	41.5	17.2	6.1	15.1	10.3	19.9	20.5	19.3	17.4	4.9	16.5	13.2	20.5	21.3	14.4	4.8	11.0	11.2	14.1	18.3	69.4	17.1	9.1	18.8	6.6	5.6	6.4	9.9	12.8	9.0	8.7	3.5	6.6	5.3	10.2	5.6	3.2	4.6	5.4	12.2
n333028	14	94545627	94547514	-	515	41.2	36.4	35.6	37.2	26.4	26.9	29.1	31.8	37.5	41.5	38.9	35.5	34.2	26.4	37.4	43.2	48.5	35.5	35.0	35.1	28.1	31.2	42.2	46.0	20.0	37.0	45.6	39.4	17.8	24.3	21.0	38.8	41.7	45.3	38.3	37.7	31.8	25.4	41.2	42.1
n409173	7	23145353	23215039	+	3306	40.8	27.0	28.1	25.5	32.1	25.7	20.7	32.4	22.8	17.4	35.8	17.1	29.7	29.1	12.1	25.3	20.1	27.6	22.3	23.9	18.0	27.6	23.7	22.5	17.2	18.0	28.3	25.6	14.9	31.8	17.1	24.8	11.9	20.5	26.3	16.5	19.3	12.8	19.1	28.5
n336934	M	177	378	-	201	40.7	98.7	163.3	101.6	33.9	6.9	87.9	140.3	81.5	71.3	166.6	128.2	42.4	20.8	106.4	76.1	102.0	50.4	93.8	75.8	21.6	41.9	96.6	74.0	84.1	61.8	110.0	99.6	64.6	34.4	85.9	65.8	96.7	43.7	150.8	92.4	15.3	20.5	71.5	71.0
n338516	19	35759881	35770719	-	1523	39.9	44.9	45.8	52.8	44.3	47.9	43.7	54.1	49.5	50.4	50.6	45.7	52.5	66.5	53.7	45.2	53.7	49.2	43.9	48.1	43.0	45.0	47.3	47.0	37.1	45.5	55.5	63.4	36.9	49.3	47.3	52.3	49.6	52.3	51.7	46.6	54.3	45.8	51.9	49.2
n342492	16	75661630	75681578	-	1997	39.8	36.5	36.3	41.9	37.8	36.2	32.3	34.7	33.8	38.1	33.9	36.2	38.9	34.0	34.9	37.8	35.5	35.1	34.2	29.7	40.1	35.9	39.5	38.5	24.6	32.0	43.0	39.6	24.6	35.7	28.4	31.5	36.0	33.8	33.3	31.5	39.7	32.4	38.2	36.5
n334631	20	2641380	2644395	-	362	39.5	41.5	41.1	41.4	20.9	22.3	34.5	40.7	34.0	29.6	34.8	28.2	24.4	11.2	23.6	30.6	29.8	41.5	31.8	32.4	14.5	21.1	32.8	35.6	32.5	26.5	38.7	48.3	12.2	24.4	32.3	34.4	23.9	36.6	37.2	35.9	19.9	18.4	36.1	43.4
n335658	11	10818703	10819443	-	740	38.9	36.4	37.3	43.7	31.1	36.0	38.0	51.5	46.8	37.4	42.4	35.0	39.5	29.6	50.5	41.4	49.9	47.3	34.5	53.3	27.5	45.7	48.8	54.5	38.1	38.7	34.9	65.1	26.6	37.0	31.6	60.1	50.2	37.7	77.8	43.8	50.9	53.2	43.4	36.8
n339806	4	2845577	2931758	+	1954	38.6	41.3	33.4	41.2	47.6	41.0	39.2	40.1	42.4	33.4	36.0	35.7	46.8	49.6	61.4	39.2	37.4	34.5	38.0	37.9	45.8	37.5	34.3	35.6	35.3	39.6	46.5	37.6	38.3	50.3	35.7	40.4	51.0	41.7	37.8	43.6	48.2	36.3	44.5	34.6
n338076	22	38879446	38902317	-	1435	37.6	43.7	29.2	29.0	44.3	36.7	28.6	37.0	46.0	39.1	47.2	47.1	47.1	38.6	54.4	38.4	38.1	44.5	41.7	56.3	41.6	30.2	38.0	43.7	41.4	48.5	42.5	43.9	36.3	47.7	49.0	37.6	77.7	54.6	51.1	32.4	46.8	27.3	44.9	41.2
n410721	1	19665267	19811202	-	2091	36.5	36.9	33.3	43.1	47.9	36.9	38.0	41.6	46.7	33.7	39.3	34.4	40.8	42.0	51.5	39.3	40.1	38.0	38.3	36.7	39.7	34.2	36.6	32.5	29.9	39.0	36.8	38.6	28.8	43.3	37.3	44.3	50.0	39.7	34.5	35.8	37.2	31.2	41.5	36.5
n410720	14	58711523	58738728	+	915	36.4	25.3	27.4	35.7	27.1	26.4	27.3	25.5	28.1	25.2	26.7	24.9	34.9	28.2	27.6	28.6	28.6	28.7	22.4	24.5	27.6	28.2	26.4	24.5	23.6	18.4	34.1	28.8	22.9	29.5	29.7	31.2	24.3	26.5	33.2	25.8	30.8	21.6	26.0	28.4
n408305	6	4115927	4135832	-	1464	36.4	43.2	42.0	42.4	37.3	40.8	41.6	41.3	36.2	37.8	47.3	46.4	46.9	37.9	38.2	44.1	41.2	50.7	36.6	40.5	40.7	37.2	47.9	53.5	34.6	31.1	40.5	42.8	24.6	47.0	42.0	44.3	25.7	44.4	43.1	37.7	40.4	32.9	47.7	49.1
n407163	12	6857158	6862637	-	1888	36.4	34.9	34.1	37.7	38.8	36.6	36.8	37.5	37.7	30.7	34.0	35.1	35.6	42.3	37.7	32.2	36.1	36.3	35.4	36.0	34.0	36.0	32.6	29.4	35.4	32.6	38.5	41.4	30.0	43.3	34.1	36.9	32.6	41.4	38.7	33.1	38.4	36.5	35.3	32.8
n408043	2	128395996	128405754	-	1669	36.2	42.4	38.1	39.8	50.6	36.2	34.2	36.0	31.4	28.8	33.1	36.6	30.9	40.9	31.4	26.0	32.7	24.3	36.5	23.6	33.4	27.7	31.4	27.5	24.4	28.4	37.0	34.4	22.6	50.3	37.1	28.0	33.8	29.1	35.2	25.1	32.8	27.0	28.7	26.5
n408008	19	49471382	49496611	-	3436	36.1	65.9	52.6	34.6	36.5	45.2	34.4	39.8	41.8	45.0	50.0	56.6	43.5	58.7	39.0	49.4	43.0	51.1	46.3	39.8	43.8	50.5	52.2	52.1	29.9	39.6	49.2	76.5	35.1	48.3	47.9	57.1	25.3	45.7	31.9	46.3	44.4	48.4	45.3	43.3
n339984	10	17256245	17271984	-	1777	35.7	25.8	28.9	20.5	64.1	40.0	28.6	39.4	68.8	43.4	46.6	30.2	46.3	54.4	214.5	38.8	54.8	37.5	46.4	105.2	122.4	43.2	37.3	27.3	33.1	87.0	32.2	43.3	50.8	34.4	26.4	40.5	177.1	67.2	29.1	42.5	37.3	40.5	57.5	32.8
n332931	21	46269504	46270004	+	500	35.2	28.5	30.6	50.1	44.9	28.2	31.7	38.5	37.8	28.5	28.9	31.6	41.8	42.2	47.1	32.1	39.0	36.0	31.1	37.5	40.3	28.0	31.0	33.6	41.4	41.6	26.5	37.6	41.9	41.2	35.6	44.0	38.2	42.3	36.5	29.9	31.8	34.2	33.0	25.2
n409550	2	74588281	74619215	-	4451	34.3	39.4	33.8	32.5	36.9	36.7	30.7	38.0	41.7	42.2	42.8	32.4	55.8	54.1	51.0	47.3	49.4	42.3	37.0	36.0	44.1	43.3	44.4	36.0	30.8	39.2	53.4	50.5	41.5	47.5	45.6	51.6	36.8	49.3	30.4	54.8	48.8	75.8	55.0	37.1
n408035	9	130882972	130890713	-	1493	33.7	33.5	32.8	34.8	33.4	29.4	29.9	34.9	32.2	29.7	35.8	34.4	24.8	25.4	24.8	28.3	31.0	30.9	31.9	28.2	25.4	32.2	26.9	31.2	29.4	24.1	34.0	36.3	24.8	32.0	28.2	34.3	18.6	29.8	26.5	28.9	30.1	29.7	26.1	27.1
n410202	17	49230897	49249106	+	1295	32.8	33.6	36.3	51.7	53.9	22.3	37.4	37.9	32.5	24.3	33.0	31.1	31.9	46.7	47.3	22.9	34.8	25.1	24.5	39.5	34.9	22.9	21.2	30.9	27.6	30.1	29.8	34.9	35.9	32.7	32.9	36.2	50.0	36.2	24.4	33.6	28.9	26.0	25.7	31.8
n410604	6	31497996	31514626	-	2305	31.7	33.4	27.3	29.9	35.4	33.8	28.5	30.4	46.8	40.6	43.7	46.5	49.5	42.1	51.8	39.6	41.2	42.4	42.1	47.8	50.8	40.1	43.3	44.3	38.6	46.1	49.0	44.3	41.0	52.7	46.6	43.1	63.7	45.9	45.2	36.6	48.5	42.1	48.2	40.0
n333985	12	54059021	54062994	-	253	31.3	34.3	34.8	37.7	12.5	10.6	39.6	33.0	27.9	28.3	44.5	38.0	11.4	6.1	27.9	25.2	17.2	27.5	34.6	27.9	12.2	8.8	29.8	33.0	36.5	32.6	31.9	27.2	6.4	11.8	40.0	32.9	27.3	24.2	44.5	29.4	9.0	8.3	38.1	41.8
n407142	12	54104902	54121308	-	2943	31.0	35.8	27.4	34.7	37.4	34.7	29.7	31.5	37.4	36.1	35.7	39.2	40.2	32.7	42.3	39.6	39.6	35.5	37.6	38.8	37.2	34.9	37.3	41.6	33.3	35.6	50.8	37.3	25.2	33.5	26.5	31.3	48.5	39.5	42.5	34.7	37.9	33.5	50.9	39.4
n408024	X	23801275	23804328	+	1174	30.4	23.3	29.5	68.2	56.3	31.7	38.5	26.5	37.2	34.3	28.6	25.0	51.5	55.8	51.3	47.8	50.1	35.5	27.9	52.7	52.8	31.7	24.6	24.9	42.3	63.7	38.7	31.9	29.3	57.1	26.2	41.8	155.5	64.0	23.7	54.7	45.8	40.9	50.1	29.9
n406201	19	23945816	24010920	+	1379	29.9	30.4	23.4	24.8	45.8	21.1	25.2	30.7	30.0	26.1	32.3	36.6	25.7	36.8	41.5	24.0	30.4	31.6	32.5	45.9	37.9	19.7	25.7	25.6	24.8	32.0	29.4	28.5	26.0	33.6	40.5	28.8	62.9	38.4	32.0	27.7	31.3	21.8	25.6	20.6
n406783	X	47001615	47004610	-	1124	29.6	33.6	38.5	35.4	35.4	32.0	29.4	32.5	30.8	24.7	35.4	38.5	32.6	28.0	25.1	31.0	26.0	26.5	31.0	27.7	33.4	28.1	30.8	30.1	29.2	23.4	37.7	33.1	24.2	37.2	39.9	32.2	20.8	27.4	40.3	29.0	29.4	23.5	30.2	34.7
n407029	16	66965958	66968321	-	849	29.4	27.0	25.8	26.0	22.3	20.9	26.2	25.3	27.3	31.7	27.5	30.0	26.8	28.8	26.2	26.1	27.5	27.7	31.1	22.5	26.2	23.2	23.1	24.0	24.2	24.0	30.0	32.9	21.2	29.4	29.1	28.6	26.1	27.7	26.7	24.6	29.6	25.1	24.9	22.8
n405885	6	32146232	32148568	+	1064	29.1	26.8	32.1	28.1	24.1	24.3	28.7	30.5	24.4	21.1	23.1	22.2	21.7	21.6	21.2	24.2	18.4	19.0	21.2	26.4	21.7	22.7	22.4	22.2	19.1	20.9	25.5	23.9	18.6	23.7	20.4	28.9	18.5	22.1	28.3	23.0	20.6	20.7	24.2	26.8
n335597	4	3514297	3520639	-	923	29.0	20.5	21.1	26.2	38.8	24.8	27.4	28.2	34.1	33.6	33.1	46.9	23.5	30.1	35.5	30.0	38.4	23.4	35.9	30.7	27.6	25.8	34.2	38.9	24.8	25.3	27.1	28.1	18.4	25.4	20.5	27.1	21.5	30.4	25.5	25.3	18.3	19.6	21.5	20.7
n408379	6	34724871	34741635	+	1174	28.8	31.8	27.1	29.8	33.6	30.0	26.7	27.5	26.3	24.9	28.5	27.1	29.6	27.3	25.3	27.2	24.6	22.8	26.3	21.3	26.2	22.5	25.8	25.4	26.1	19.0	33.9	25.5	17.8	28.9	31.4	29.7	23.3	25.3	29.5	24.3	29.5	23.2	29.1	25.1
n340776	5	179157349	179157682	-	333	28.8	30.8	26.8	43.9	19.6	17.3	32.2	28.1	32.3	30.6	37.5	28.2	27.9	24.7	47.4	24.5	32.1	31.0	26.6	30.4	28.8	20.2	36.0	31.8	34.1	30.3	27.9	27.1	22.4	29.7	30.7	31.3	37.7	31.8	30.3	28.0	20.2	18.2	31.1	31.8
n411761	9	139557379	139567131	+	1529	28.6	22.9	20.9	20.7	31.5	36.5	28.5	19.4	34.9	24.0	28.8	39.7	32.4	28.2	46.6	29.5	22.0	26.3	35.8	33.5	38.0	30.7	25.2	27.7	48.4	38.0	29.4	35.5	32.6	53.6	30.6	40.1	60.3	38.8	25.9	33.8	35.0	32.6	28.8	23.8
n408333	2	73461364	73480151	+	1883	28.6	26.8	25.3	26.9	25.7	21.2	22.7	28.1	29.1	26.6	31.0	28.2	28.0	23.9	29.8	31.4	29.2	22.8	29.3	30.3	26.1	22.6	27.2	28.5	17.6	26.2	31.4	31.0	19.3	26.1	22.8	27.1	27.6	26.4	26.2	30.0	30.5	25.4	30.6	25.9
n408908	1	201857797	201861716	+	1375	28.1	41.6	39.6	35.6	78.0	53.7	30.8	40.4	20.7	18.4	27.2	19.0	30.1	38.4	26.8	26.2	21.5	23.6	21.2	25.4	25.7	27.2	21.8	16.2	20.6	17.8	33.6	27.9	30.0	35.7	42.0	37.0	16.7	30.8	28.5	37.1	46.3	58.4	54.4	19.6
n407156	18	32621324	32722379	+	3081	28.0	36.3	39.8	23.7	42.8	22.5	27.2	22.5	36.7	38.9	39.2	39.1	37.8	55.0	43.9	31.4	46.5	51.5	33.3	33.6	41.0	42.6	43.1	37.5	28.8	38.7	70.3	52.5	25.1	29.2	45.6	55.1	41.9	60.1	42.4	64.4	67.0	86.5	61.9	35.4
n409234	19	50180409	50191705	+	1566	27.9	28.0	28.0	35.6	29.0	29.7	27.7	31.5	36.7	29.4	35.3	35.8	36.4	34.2	39.1	27.5	33.4	30.8	31.6	33.1	31.5	33.0	31.0	34.7	29.3	32.7	31.6	41.3	31.4	37.4	30.2	39.4	29.1	34.3	31.4	28.8	33.2	33.7	28.5	28.7
n410104	5	138609441	138667367	+	4515	27.7	30.8	24.4	25.3	32.3	28.3	24.8	25.0	30.6	29.4	28.1	28.1	35.8	32.8	31.3	27.1	30.8	32.5	26.9	33.9	28.9	26.9	34.1	29.2	25.9	31.3	31.1	28.6	22.7	33.2	25.7	30.2	37.6	33.9	32.5	26.8	34.4	25.3	36.5	33.3
n409298	11	64532076	64546317	-	2873	27.5	22.3	19.7	21.6	25.4	23.5	19.0	25.6	29.8	24.9	24.6	25.1	23.3	29.0	42.5	29.4	26.7	26.3	24.5	28.9	29.1	23.3	27.5	27.9	25.0	31.6	29.2	29.0	19.9	33.5	26.8	29.2	54.3	37.5	34.6	25.7	32.5	29.2	31.7	27.6
n406444	19	1269267	1274810	+	3263	27.4	34.4	29.2	25.7	28.8	29.9	27.1	22.2	40.2	26.9	43.1	48.5	36.4	28.9	47.3	34.5	36.6	36.6	34.4	47.7	34.5	29.6	37.0	34.5	41.4	25.3	49.3	39.5	31.4	42.4	36.8	33.1	43.3	25.8	41.1	30.3	30.6	24.5	35.0	32.1
n407076	10	82173591	82192754	+	1632	27.2	22.5	23.1	29.1	26.7	25.9	22.9	25.3	18.1	15.5	22.0	14.3	23.4	14.7	15.8	22.9	21.6	18.6	16.6	16.1	32.9	15.8	18.0	19.7	17.0	12.7	22.0	18.1	11.5	19.8	14.6	15.8	25.9	19.7	22.9	16.5	17.9	14.1	20.1	19.8
n407979	1	910579	917474	-	3040	27.0	31.1	28.2	20.3	22.0	31.1	20.5	20.1	14.4	18.3	26.8	24.1	18.7	15.4	11.4	26.8	8.6	13.3	22.5	10.2	21.2	25.8	19.4	17.6	8.5	16.2	19.9	31.3	9.9	22.9	25.5	19.3	6.7	12.2	24.1	8.3	22.8	12.3	15.9	14.5
n406516	3	38164201	38178734	-	1944	26.8	21.2	26.5	26.1	24.3	23.4	20.4	25.8	23.2	20.1	31.0	26.4	20.6	20.6	21.4	25.6	20.0	24.5	25.3	25.4	23.1	21.2	24.5	24.3	21.9	15.3	25.2	26.1	16.7	31.0	22.6	26.0	17.4	24.4	25.4	24.5	21.2	19.0	20.8	21.6
n338032	22	33256006	33256422	-	415	26.8	28.6	23.8	18.0	32.1	24.6	27.8	38.3	22.6	11.8	16.7	9.2	18.4	18.4	54.8	36.3	15.0	21.2	19.6	40.5	22.9	18.2	13.9	12.4	23.4	29.9	37.1	18.2	13.8	23.0	19.1	20.8	71.8	44.5	27.4	37.5	22.3	18.6	35.8	22.0
n410169	9	115142189	115234686	+	3209	26.7	24.2	25.9	23.4	22.0	20.8	28.4	34.1	25.7	23.9	23.2	23.5	25.3	18.6	14.1	20.4	21.6	28.3	24.2	24.0	27.7	23.6	30.5	25.6	15.6	17.9	28.0	24.9	9.9	14.4	16.8	23.1	14.3	25.8	32.8	27.6	27.8	19.3	26.1	32.6
n343018	8	67834165	67837778	-	472	26.7	31.7	21.6	32.4	39.1	25.2	32.8	24.3	22.7	17.4	22.2	21.8	25.9	36.4	37.1	22.6	21.5	19.3	20.1	19.6	22.8	22.4	23.8	22.4	24.6	29.7	35.0	32.1	15.8	39.9	30.2	26.4	36.6	23.8	33.1	27.3	34.6	21.3	34.6	28.5
n341538	8	79428336	79515450	+	2113	26.6	38.1	29.6	52.7	23.1	26.4	31.2	35.0	34.1	26.5	37.3	28.1	26.6	25.3	19.2	27.4	25.5	36.8	27.5	24.4	25.7	26.5	39.2	32.7	21.0	26.0	31.5	42.8	20.7	23.0	33.6	39.5	12.0	28.3	25.8	34.2	28.7	31.3	40.4	34.7
n411537	19	45458250	45496605	+	2480	26.5	24.0	21.3	27.0	25.9	24.6	23.2	26.3	28.4	27.8	24.0	25.0	27.4	27.9	28.9	26.8	24.8	21.6	29.0	22.4	27.6	25.0	27.6	24.3	17.0	20.4	23.1	25.3	17.7	24.2	20.1	25.6	24.9	24.6	22.8	21.0	24.0	19.9	24.3	25.4
n335648	4	122589153	122589621	-	468	26.1	28.8	27.8	33.2	34.0	20.8	23.4	32.4	44.4	39.5	31.7	28.5	32.9	45.6	73.7	32.5	46.6	29.8	35.9	52.1	62.3	33.2	35.2	35.9	39.0	68.1	29.6	41.6	30.8	40.9	34.1	50.0	69.1	44.7	35.5	53.0	44.7	36.8	45.6	33.8
n342502	3	48481667	48485617	+	561	26.0	25.7	29.2	29.3	22.1	15.7	22.6	23.5	27.5	27.0	28.9	28.2	21.5	27.4	31.3	22.7	29.9	22.9	25.5	23.2	21.6	14.6	26.8	23.5	18.4	27.4	32.3	29.5	17.6	30.3	35.7	25.3	30.9	28.0	28.8	23.1	22.4	15.6	28.2	18.6
n407138	1	167885913	167905440	-	2392	25.9	32.6	32.6	25.8	31.9	28.6	29.7	26.7	27.5	24.5	32.2	27.7	26.5	31.4	24.5	27.1	26.5	31.6	28.2	24.6	28.5	29.8	31.0	26.6	22.1	21.5	33.0	33.4	23.5	29.0	28.3	31.2	17.5	29.4	29.9	29.6	30.4	30.6	31.0	28.2
n342855	9	33025348	33039906	-	2241	25.8	15.6	13.2	22.1	21.4	15.7	15.6	22.6	29.3	30.2	19.1	20.1	34.7	26.5	30.8	25.2	27.1	29.5	28.0	30.5	32.9	21.1	25.8	32.8	18.8	25.0	26.9	23.7	20.3	29.9	19.5	32.4	57.2	61.2	26.3	33.8	35.7	35.0	34.2	24.1
n410468	22	19705992	19712298	+	3175	25.6	26.2	20.7	20.1	24.9	27.5	29.0	27.3	24.4	18.9	28.5	26.0	29.6	38.7	33.3	24.5	24.3	25.0	24.4	30.2	19.4	21.3	26.4	25.3	25.2	24.2	25.7	31.0	30.8	24.2	24.7	27.3	15.6	30.3	31.6	19.5	37.6	16.4	22.3	21.9
n408350	X	48455880	48463583	+	2091	25.3	30.9	25.4	26.0	37.7	27.6	25.6	24.2	26.2	20.9	25.5	27.3	27.3	35.5	27.1	25.7	26.0	23.7	26.7	22.0	26.2	24.5	21.7	26.6	23.8	24.1	37.0	31.2	24.1	35.1	31.8	30.7	29.7	31.3	27.3	30.3	36.3	32.5	31.9	23.0
TCONS_00019666	11	65266414	65278493	-	3697	25.3	33.3	20.9	26.9	21.3	34.3	29.8	28.0	18.3	26.7	28.2	47.3	41.9	32.3	16.2	38.0	29.1	20.5	26.9	20.6	32.2	36.0	33.7	30.8	33.1	32.1	24.0	26.4	64.6	42.8	23.8	22.0	7.2	16.6	34.2	18.5	21.0	44.7	22.8	27.6
n408115	9	131857073	131873071	-	2865	25.2	20.6	25.1	20.1	25.8	23.7	21.9	28.7	25.0	16.9	26.9	22.9	22.9	23.4	23.1	24.9	21.6	18.5	18.6	20.7	20.1	20.2	20.4	25.9	21.2	15.6	25.5	21.5	17.9	22.3	20.5	27.4	13.9	18.1	19.3	19.6	19.1	18.1	20.2	23.6
n334336	12	112843090	112846326	-	665	24.8	25.1	17.5	33.8	10.7	10.2	18.4	25.9	25.0	22.1	22.3	20.0	11.1	10.4	33.1	18.4	31.1	22.0	24.1	23.3	14.1	9.3	27.3	22.0	23.3	30.5	30.3	33.1	11.2	11.0	22.7	23.8	42.6	20.3	27.9	20.1	11.6	9.0	27.2	23.1
n410929	10	73975758	73995619	+	3008	24.8	21.4	21.7	21.8	26.2	19.9	22.9	23.8	22.3	23.5	24.7	25.8	27.8	30.1	22.4	24.3	22.7	28.7	24.4	22.2	26.2	22.3	24.4	23.4	17.4	20.4	27.9	26.0	15.5	27.8	19.9	20.9	20.4	26.7	27.4	21.0	31.0	19.8	25.0	22.9
n408146	1	160185505	160232319	-	4183	24.7	23.5	23.2	22.6	27.7	27.1	23.2	24.2	26.1	21.2	28.8	27.3	23.9	26.8	24.4	27.1	22.4	27.4	24.0	27.8	23.0	24.2	23.8	25.9	22.5	20.9	30.2	27.5	17.9	23.1	22.3	25.3	23.4	29.4	26.9	29.2	26.6	22.9	29.5	29.3
n407057	19	11616744	11639681	-	1574	24.6	26.1	26.9	29.2	27.8	32.7	28.6	27.9	24.5	23.4	27.0	24.5	25.2	21.1	18.6	24.0	18.3	25.9	24.6	19.9	19.5	24.6	20.8	24.8	22.9	19.7	28.5	30.1	16.3	25.4	26.4	27.6	14.0	27.8	25.4	24.1	24.5	23.8	22.9	25.8
n339354	3	49022284	49022975	+	691	24.3	23.9	20.0	18.5	29.6	20.6	20.0	22.3	25.6	29.3	22.9	37.0	35.9	24.0	28.5	24.8	29.3	25.7	28.3	21.2	24.9	20.1	31.8	35.3	30.2	24.9	35.3	34.7	24.9	27.2	22.9	24.1	25.3	23.6	37.5	23.2	27.9	16.8	31.5	32.6
n342837	8	30013813	30041053	+	1023	24.1	21.2	23.7	21.4	25.2	20.1	21.0	19.8	25.6	24.8	24.0	26.0	28.3	28.3	27.7	28.6	26.9	28.6	27.2	28.2	27.3	26.5	27.9	24.2	21.2	23.3	24.6	28.6	20.8	29.5	23.2	29.6	22.7	25.8	27.4	23.3	24.2	24.6	26.0	26.5
n407109	5	130494875	130501027	-	809	23.9	26.3	19.7	24.0	35.1	22.5	25.0	20.5	19.9	21.1	27.8	18.3	26.0	29.4	21.7	20.8	22.1	18.6	19.3	19.5	27.9	18.7	21.0	16.9	18.9	23.0	21.1	15.9	18.6	33.0	26.4	24.3	25.0	24.1	25.1	20.5	26.6	17.4	27.0	15.9
n407108	5	130494875	130501035	-	971	23.7	25.4	25.0	26.0	22.0	20.2	33.0	25.8	21.6	19.7	20.3	21.6	16.4	18.9	23.4	20.0	22.5	21.0	21.8	21.6	18.3	17.2	19.5	14.7	15.6	14.8	23.0	25.5	13.7	18.3	20.5	24.6	24.7	20.3	25.6	21.1	20.7	16.2	23.7	16.9
n384478	4	89178768	89180509	-	1741	23.7	20.0	14.3	8.7	22.4	22.3	12.7	14.2	26.3	16.5	31.1	38.6	17.2	25.9	12.5	26.3	16.7	18.9	18.0	32.4	16.5	18.4	17.1	21.3	30.2	18.4	19.8	22.1	12.7	35.8	15.4	18.5	10.2	14.5	15.9	11.6	16.0	8.5	15.8	18.0
n410148	17	74730197	74733494	-	2072	23.2	23.7	21.9	25.5	32.4	26.0	22.0	27.3	31.5	23.7	25.4	29.1	28.2	30.2	34.8	26.7	24.8	27.1	26.6	30.6	31.7	24.5	23.8	24.7	29.2	27.1	31.7	30.6	23.9	34.8	30.0	30.6	50.2	36.5	31.9	32.7	34.3	32.1	34.3	25.1
n409745	19	39369195	39384796	-	1995	23.2	21.4	23.2	18.8	17.4	26.3	15.7	28.6	19.5	22.7	20.5	20.7	25.0	21.3	18.7	18.4	17.8	20.2	20.8	17.4	20.0	18.2	15.2	19.1	15.9	19.2	26.4	23.5	15.7	18.2	18.4	17.8	19.7	23.9	24.7	16.8	25.4	14.7	17.3	20.7
n406123	11	2150342	2182440	-	5136	23.0	9.6	11.5	12.1	12.3	8.9	6.5	10.1	12.4	10.3	12.4	13.7	18.5	11.1	14.3	9.4	11.2	11.7	12.6	12.0	15.6	12.3	13.3	15.8	14.0	16.3	11.2	16.8	9.6	13.2	20.3	15.1	18.1	17.7	12.9	11.6	14.5	12.8	12.1	14.4
n410027	4	15606007	15657036	-	3644	23.0	21.8	19.8	19.0	22.0	19.7	18.6	18.3	15.3	12.3	15.3	14.8	17.4	16.5	16.3	17.0	14.4	16.2	14.3	18.9	17.5	19.1	15.5	15.6	12.3	14.3	18.7	16.1	10.5	13.9	12.3	14.5	16.7	15.5	19.1	14.4	17.4	14.2	16.4	18.6
n411694	20	34291531	34330259	-	2947	22.9	26.2	22.6	25.3	30.2	22.6	22.6	24.8	32.1	30.0	24.4	28.1	32.3	33.7	36.0	27.6	26.8	30.5	27.8	35.2	31.5	24.9	27.6	27.1	32.1	36.6	35.9	31.0	23.3	34.3	32.0	31.3	61.5	41.2	36.0	37.2	41.1	25.2	37.3	28.7
n410127	1	156278752	156308207	-	2220	22.9	20.8	22.2	26.6	28.9	22.4	18.7	22.2	26.2	27.3	23.5	25.3	32.2	29.2	29.6	23.1	28.8	24.9	26.9	25.2	28.4	24.1	26.4	29.2	20.3	23.1	27.2	26.5	21.9	24.8	23.3	28.7	31.1	31.7	23.6	26.6	28.3	32.1	28.7	24.5
n411638	6	42981841	42989037	+	1903	22.8	30.6	23.4	21.6	24.7	26.5	28.2	20.9	20.4	16.2	22.5	19.8	25.1	18.7	20.9	19.3	14.7	17.4	20.5	21.6	17.6	18.2	22.4	18.4	22.3	18.7	26.4	22.1	15.0	23.4	24.3	20.9	22.4	22.1	37.0	18.2	23.5	15.7	27.9	21.0
n406954	X	152965947	152990202	-	1643	22.7	23.9	24.0	25.7	32.1	22.4	24.5	25.9	33.0	25.7	30.2	25.4	31.3	37.5	39.2	26.3	28.8	23.2	25.7	30.1	40.6	26.2	25.4	24.0	22.9	25.0	26.7	21.6	22.4	34.8	24.6	32.1	47.7	33.5	27.4	28.6	33.0	27.9	31.8	23.7
n385278	7	129470575	129472419	-	1844	22.7	31.0	27.7	17.7	28.3	21.9	22.4	26.0	34.1	33.6	37.9	39.8	47.0	46.2	43.1	31.2	42.3	40.9	34.6	31.5	37.6	36.1	40.9	35.8	27.5	34.7	36.1	47.2	34.1	44.8	40.9	42.9	28.2	39.1	35.7	27.4	42.6	34.3	37.2	35.8
n340120	4	75973296	75975324	+	2028	22.5	27.0	15.7	14.1	16.5	23.2	15.0	17.0	17.8	20.4	24.9	20.6	13.3	13.2	20.5	22.4	18.0	16.9	16.2	22.5	20.5	23.3	27.2	20.7	13.5	24.5	21.3	26.1	9.7	20.3	15.1	18.8	14.5	12.3	17.3	11.0	15.8	14.6	15.7	15.9
n381104	1	32372022	32373713	-	1691	22.2	18.9	18.6	27.5	23.0	16.6	20.2	21.3	19.9	19.5	16.2	20.6	23.7	23.4	21.6	22.0	22.0	17.1	18.9	18.9	20.3	16.8	18.5	17.5	18.6	15.9	21.5	17.2	14.5	19.1	14.5	17.7	22.6	22.0	23.4	16.2	21.2	16.0	18.9	20.5
n409659	2	231921578	232037541	+	3155	22.1	19.6	23.5	22.7	23.0	19.2	21.3	21.0	25.8	20.0	23.5	22.5	25.1	21.3	20.6	24.1	21.3	25.4	20.0	21.8	20.9	22.2	18.1	21.0	16.1	17.8	21.5	22.6	15.5	17.5	17.8	23.5	16.7	23.9	18.3	23.6	21.9	22.9	20.9	22.0

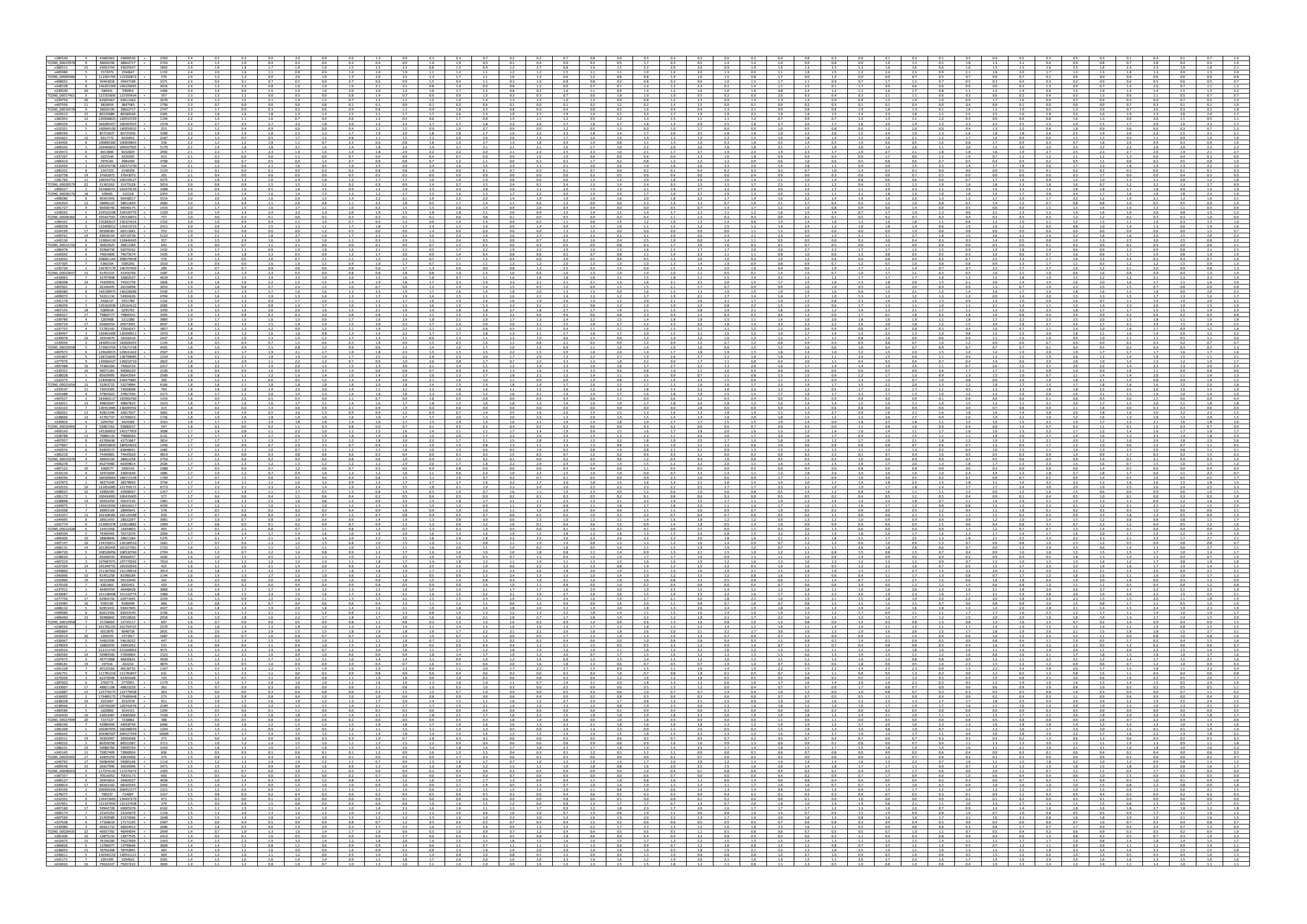


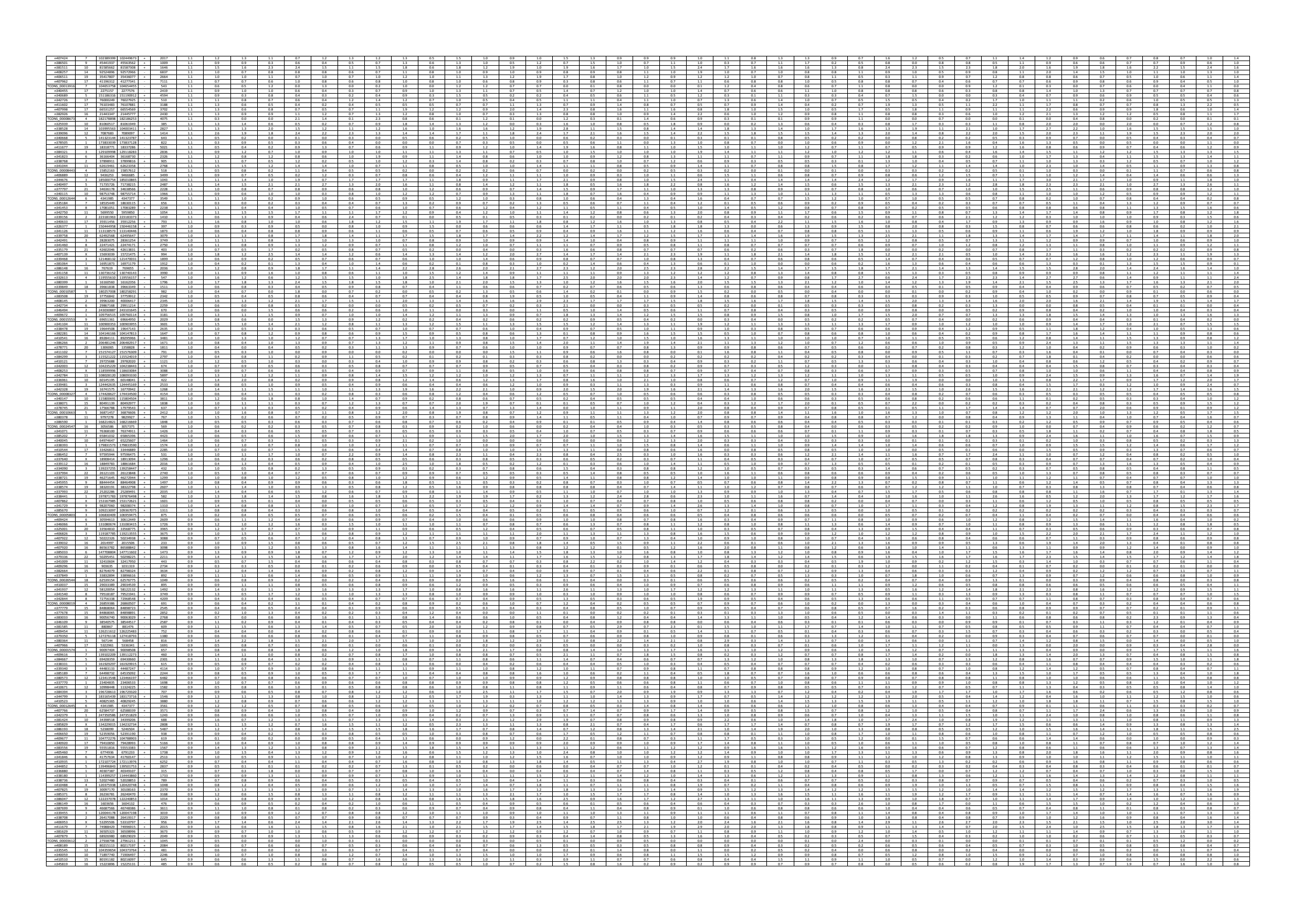












TCONS_00001415	1	22744726	22745436	-	321	0.0	0.5	2.3	0.4	0.0	0.6	0.9	0.0	0.6	0.0	1.2	0.0	0.3	0.7	0.9	1.0	0.3	0.8	0.3	0.3	0.3	0.2	1.4	0.0	0.0	0.0	0.9	0.8	0.3	0.0	1.8	1.7	0.0	0.4	0.0	0.9	1.0	0.8	0.2	1.0
TCONS_00001436	1	26325875	26331041	-	582	0.0	0.3	0.4	0.0	0.2	0.2	0.1	0.2	0.1	0.1	1.3	0.1	0.6	0.0	0.0	0.1	0.2	0.9	0.3	1.1	0.0	0.5	0.2	0.1	0.2	0.0	0.0	0.2	0.3	0.0	0.4	0.3	0.2	0.1	0.2	0.0	0.3	0.0	0.1	0.0
TCONS_00001581	1	91248547	91255093	-	572	0.0	1.5	1.8	1.4	0.0	0.2	1.3	0.6	0.4	0.6	2.8	0.5	0.8	1.7	0.9	0.5	1.1	0.2	1.1	0.2	1.3	0.8	0.7	0.4	0.1	0.6	1.1	0.7	0.0	0.7	0.9	0.5	0.5	0.0	2.0	0.6	0.5	0.5	0.6	0.7
TCONS_00002153	1	146644893	146648627	+	448	0.0	1.2	0.2	1.4	0.9	0.5	1.4	1.6	0.3	0.6	0.9	0.5	0.8	1.9	1.3	0.8	1.8	1.7	0.4	0.7	0.6	1.2	1.8	1.9	0.4	1.9	0.8	1.8	0.2	0.2	0.2	0.6	1.0	1.1	1.9	0.4	1.1	1.2	0.8	0.2
KCONS_00035013	2	42946182	42983134	+	2802	2.2	2.2	1.2	1.3	2.8	1.0	1.2	1.6	2.2	2.0	0.6	1.0	0.5	2.1	1.9	1.8	1.2	1.4	1.6	2.0	1.3	1.4	1.4	1.4	1.1	2.5	2.4	0.3	0.0	1.4	2.2	1.9	2.5	2.7	1.8	1.7	0.9	1.6	1.7	1.6
KCONS_00044883	3	157540	173037	-	239	1.0	1.2	1.1	1.2	1.6	1.5	0.7	1.3	1.2	0.8	1.0	1.4	1.6	0.9	1.2	1.4	0.7	1.4	1.5	2.3	1.7	0.7	1.2	1.2	1.0	1.8	1.8	1.5	0.7	0.8	1.1	1.3	2.1	1.4	1.3	1.3	1.1	0.5	2.3	1.5
KCONS_00003555	1	2985109	2986879	-	528	0.6	0.9	0.6	0.6	0.7	0.3	0.8	1.1	1.7	1.2	0.9	1.3	0.9	1.1	2.1	0.5	1.3	1.0	1.4	1.9	1.1	1.0	0.9	1.5	1.9	1.2	1.4	0.7	1.0	1.1	1.0	0.7	2.2	1.3	1.7	0.7	1.0	0.4	1.1	1.8
KCONS_00003428	1	931226	934083	-	2792	0.8	0.5	0.5	0.1	1.2	1.2	0.6	0.7	1.2	1.1	1.4	1.5	0.6	1.5	1.5	0.7	0.7	1.0	1.1	1.6	0.8	0.8	0.9	0.6	0.8	0.5	1.1	1.6	1.0	1.1	0.9	1.0	2.5	1.0	0.6	0.6	1.0	0.9	1.3	0.5
KCONS_00006357	1	222677668	222693226	-	669	1.9	1.0	1.4	0.5	0.0	1.5	0.2	0.1	2.0	0.7	0.8	2.2	1.2	1.3	2.7	1.5	0.7	1.6	0.6	1.4	1.1	1.5	1.1	2.9	0.9	1.4	0.0	1.8	0.0	0.5	1.0	0.8	0.2	0.9	0.8	1.2	0.9	0.8	0.8	1.6
KCONS_00020620	15	26506855	26510791	+	1148	1.7	0.7	0.6	0.9	1.0	0.7	0.7	1.1	0.9	1.3	1.7	1.0	1.0	1.2	1.2	1.0	1.1	1.2	1.1	0.9	1.0	0.8	1.1	1.3	0.7	1.0	1.2	1.1	0.6	0.9	0.7	0.9	0.9	1.3	0.8	0.5	1.0	0.8	1.2	1.3
KCONS_00024684	16	18453313	18468777	-	1159	0.0	1.6	0.7	1.3	0.6	0.0	0.2	0.7	1.5	0.8	0.8	1.9	0.2	0.6	1.0	1.0	1.3	0.5	2.1	1.0	0.8	0.3	1.3	1.1	0.9	0.8	1.3	0.7	1.2	1.8	1.1	0.3	2.2	0.3	1.0	0.8	0.4	0.3	1.8	1.3
KCONS_00022534	15	84953334	84958519	-	2221	1.4	1.5	0.4	0.7	0.4	1.2	1.0	1.0	1.6	1.1	0.3	0.2	0.0	0.2	0.9	0.8	0.0	0.6	0.4	0.5	1.0	0.0	1.2	1.2	1.5	0.3	0.6	0.3	0.4	0.0	0.4	1.3	0.4	1.3	1.7	1.1	0.5	0.5	1.1	0.3
KCONS_00028690	17	45968828	45973186	-	296	1.0	0.9	1.1	0.3	0.9	1.1	0.6	0.9	1.6	0.8	1.2	1.1	0.9	0.8	0.7	0.6	1.2	2.0	1.1	1.7	0.7	0.9	1.3	1.2	0.4	1.4	0.9	0.7	0.6	0.4	0.9	0.8	0.9	1.0	1.3	0.7	0.7	0.8	0.8	1.7
KCONS_00000469	1	20389706	20395460	+	484	0.2	0.2	0.0	0.0	1.0	0.7	0.0	0.3	0.7	1.2	1.0	1.7	0.9	0.5	1.0	1.3	1.2	1.9	0.8	0.7	0.5	0.6	1.1	1.6	0.4	0.5	0.7	0.3	0.6	0.7	0.2	0.3	1.0	1.0	0.6	0.2	0.3	0.4	0.6	0.5
KCONS_00006233	1	206856377	206857453	-	836	0.7	0.2	0.3	0.0	0.0	0.5	0.0	0.5	0.7	0.7	1.9	1.6	0.8	0.1	0.1	0.3	2.0	2.0	1.9	0.6	2.5	0.2	2.3	0.9	0.5	0.0	1.3	0.2	0.2	0.7	0.4	0.5	0.4	1.0	0.6	0.8	1.1	0.4	1.4	0.0
KCONS_00024639	16	15198199	15200300	-	523	0.8	0.8	0.2	0.1	0.5	0.5	0.6	0.7	1.0	0.6	1.1	0.6	0.6	0.0	1.3	0.6	1.3	1.0	0.7	1.2	0.5	0.1	0.5	0.4	0.8	1.5	0.8	0.3	0.8	0.4	1.1	0.6	2.0	1.1	0.3	0.6	1.2	0.3	0.5	1.1
KCONS_00000467	1	20388799	20395460	+	255	1.0	0.4	0.1	0.6	0.6	0.4	0.4	0.5	1.1	1.6	1.1	1.4	1.4	1.0	0.7	1.3	1.7	0.4	1.9	0.8	0.4	0.3	0.9	0.8	0.4	0.4	0.6	0.9	0.6	0.2	0.6	0.5	0.9	1.1	0.3	0.4	0.4	0.1	0.7	0.6
KCONS_00044449	3	142682519	142683682	+	424	0.9	0.4	0.5	1.8	0.9	0.6	0.5	0.3	1.2	0.8	0.6	0.6	0.5	0.6	0.4	0.9	2.3	1.0	0.3	0.6	0.3	0.7	0.0	0.1	1.1	0.4	1.7	0.8	0.5	0.8	1.2	0.8	1.0	0.8	0.7	0.7	1.2	0.8	1.1	0.5
KCONS_00024445	16	2204814	2205343	-	309	1.1	1.0	0.3	0.3	2.2	0.2	1.9	1.0	0.4	0.4	0.6	0.3	0.6	0.9	0.8	1.1	0.3	0.5	0.9	0.2	0.4	1.4	0.0	0.0	0.4	0.0	0.8	0.0	0.0	0.6	0.8	0.6	0.5	0.1	0.6	1.4	1.3	0.7	1.1	0.8
KCONS_00034309	19	54958015	54959825	-	906	1.8	1.3	0.3	0.0	0.0	0.9	0.7	1.2	0.3	0.2	1.2	0.6	0.7	1.2	0.6	0.4	0.4	0.0	0.9	0.3	0.0	0.0	0.2	0.8	0.0	0.0	1.0	1.7	0.3	0.3	1.7	1.0	0.5	0.0	0.4	1.9	0.8	0.0	1.0	1.7
KCONS_00038082	2	161114271	161127946	-	596	1.6	0.8	0.7	0.5	0.5	0.5	0.5	1.0	0.7	0.5	0.4	1.2	1.1	0.3	0.5	0.9	0.5	1.2	1.5	0.8	0.7	0.5	1.1	0.9	0.5	0.3	0.6	0.6	0.4	0.8	0.5	0.7	0.2	0.5	1.5	0.5	1.0	0.7	0.9	0.7
KCONS_00020799	15	42188820	42190786	+	1691	0.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.5	0.0	0.6	0.0	1.1	0.0	2.1	0.1	0.1	0.7	0.6	0.2	0.0	0.6	0.0	2.1	0.0	0.0	0.8	0.0	1.6	0.0	1.4	0.0	0.0	0.6	0.8	0.0	0.0	0.5	0.0
KCONS_00048477	4	8366096	8367233	-	430	0.3	0.8	0.2	0.5	1.1	1.5	0.9	0.5	0.9	0.8	0.8	0.4	0.5	0.8	0.9	0.7	1.4	1.0	1.2	1.6	0.6	0.8	0.6	0.4	0.7	1.1	1.3	0.9	0.3	0.7	0.9	0.6	0.7	0.5	0.4	0.2	0.8	0.5	1.0	0.6
KCONS_00019377	14	105186689	105187752	+	995	0.8	0.6	0.2	0.2	0.8	0.6	0.4	0.6	1.1	0.2	1.0	1.5	0.4	0.7	0.8	0.6	0.0	0.9	0.9	0.7	0.3	0.3	0.8	0.2	0.7	2.0	0.3	0.8	0.4	0.2	1.6	0.6	1.3	2.8	0.9	0.2	0.5	1.1	0.7	0.4
KCONS_00034382	19	56825635	56826228	-	256	1.2	0.9	0.2	0.0	0.6	0.1	0.5	1.2	1.6	0.9	0.6	0.5	0.6	0.2	0.5	0.8	0.3	1.4	0.2	0.5	0.6	0.6	0.6	0.7	1.8	1.4	0.6	0.5	0.3	1.0	0.4	0.5	0.1	0.4	0.5	0.8	0.3	0.1	0.3	0.8
KCONS_00045333	3	46848355	46849602	-	1113	1.3	0.4	0.5	0.5	0.4	0.6	0.3	1.4	0.8	0.4	1.1	0.7	0.3	1.1	0.3	0.7	0.5	1.1	1.2	0.4	0.6	1.1	0.0	0.4	0.8	0.0	0.7	0.0	0.0	0.0	0.4	0.3	0.5	0.4	0.5	0.0	0.4	0.6	0.0	0.6
KCONS_00003774	1	16542760	16543886	-	609	0.7	0.6	0.0	0.0	0.2	0.0	0.7	0.1	0.7	1.0	0.3	0.4	0.3	0.9	1.1	1.1	0.8	2.1	0.9	0.2	0.9	0.4	0.7	0.3	0.2	0.9	0.4	0.7	0.0	0.0	1.1	0.9	0.9	1.2	0.6	0.4	0.6	0.7	1.1	0.5
KCONS_00041763	22	26452443	26453313	+	771	0.8	0.7	0.5	0.3	1.2	0.3	0.4	0.1	0.5	0.4	1.0	0.7	0.5	0.7	0.8	0.1	0.9	1.5	0.5	1.1	1.0	0.3	0.7	0.5	0.2	0.7	0.5	0.5	0.6	0.1	0.2	0.6	0.5	1.4	0.4	0.6	1.0	0.4	0.3	0.8
KCONS_00033144	19	14638300	14671188	-	798	2.0	0.5	0.0	0.1	0.9	0.2	0.1	1.3	0.6	1.3	0.1	0.1	0.9	0.2	0.1	0.1	0.2	0.0	0.2	0.6	0.0	0.1	0.1	0.5	1.4	1.6	0.0	0.9	0.5	0.0	0.1	0.0	0.1	0.3	0.3	0.3	0.0	0.0	0.2	0.4
KCONS_00034715	2	11018481	11025274	+	404	1.1	0.5	0.2	0.1	0.5	0.8	0.4	0.3	1.1	0.4	0.9	1.0	0.5	0.3	0.3	0.1	0.4	0.2	0.6	0.5	0.3	0.5	1.0	0.2	0.3	0.1	0.5	0.5	0.2	0.2	0.3	0.5	0.2	0.5	1.5	0.8	0.9	0.1	0.6	0.5
KCONS_00040257	20	33859777	33865565	-	544	0.0	0.8	0.5	0.4	0.6	0.2	0.3	0.7	0.4	0.1	0.2	0.1	0.7	0.2	0.9	0.3	0.4	0.1	0.7	0.5	0.5	0.1	0.1	0.5	0.4	1.0	0.8	0.2	0.1	0.4	0.4	0.7	1.7	1.6	0.4	1.5	1.2	0.2	0.5	0.1
KCONS_00045114	3	27150893	27183352	-	2627	0.2	0.9	1.0	0.0	0.0	0.0	0.0	1.0	2.2	0.5	0.0	0.0	0.0	0.6	0.0	0.3	0.2	1.9	0.0	0.0	0.3	0.0	0.1	0.4	1.0	0.4	0.5	0.0	0.0	0.0	0.1	0.1	0.2	1.8	0.0	0.0	0.1	0.0	0.0	0.5
KCONS_00007700	10	92725806	92740670	+	644	0.5	0.5	0.6	0.2	0.8	0.5	0.4	0.4	0.6	0.6	0.5	0.6	1.0	0.8	1.4	0.4	0.6	0.5	0.6	1.6	0.8	0.5	0.6	0.6	0.3	0.7	0.9	0.3	0.8	0.7	0.6	0.5	1.2	0.6	0.5	0.6	0.4	0.4	0.8	0.9
KCONS_00010004	11	8988102	8989674	+	390	0.2	0.3	0.3	0.2	0.5	0.6	0.3	0.7	0.5	0.3	0.8	1.0	0.6	0.6	0.4	1.0	0.2	0.5	0.7	1.9	0.6	0.5	0.7	0.8	0.6	0.6	0.3	0.9	0.5	0.9	0.8	0.4	0.2	1.0	0.4	0.8	1.1	0.0	1.1	0.3
KCONS_00023253	16	14853184	14857467	+	199	0.0	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.8	0.0	0.4	0.0	0.4	0.0	0.6	0.6	1.5	0.9	0.3	1.5	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.2	1.7	0.0	0.0	0.3	0.3	0.6	0.2	0.9
KCONS_00032558	19	865869	867582	-	1509	0.4	0.5	0.9	0.7	0.3	0.3	0.9	0.3	0.8	0.7	0.4	0.3	1.2	0.5	0.4	0.9	0.5	0.9	0.8	1.4	0.6	0.7	0.7	0.8	0.8	0.4	0.2	0.2	1.1	0.2	0.6	0.7	0.2	0.4	0.9	1.2	1.0	0.1	0.8	0.6
KCONS_00041664	22	23134993	23135469	+	359	2.3	0.2	0.0	0.0	0.5	0.2	0.1	0.8	0.9	2.2	0.0	0.1	0.4	0.6	0.0	1.0	0.1	0.2	0.1	0.7	0.1	0.1	0.1	0.4	0.6	1.6	0.2	0.3	0.4	0.1	0.0	0.4	0.0	0.1	0.7	0.4	0.0	0.0	0.4	0.2
KCONS_00043941	3	73672981	73674999	+	572	0.7	0.6	0.6	0.6	0.9	0.3	0.4	0.6	0.7	0.6	0.0	0.6	0.5	0.2	0.9	0.8	0.8	1.1	1.0	1.4	0.7	0.7	0.3	0.5	0.7	0.4	0.6	1.2	0.4	0.4	1.3	0.6	0.5	0.7	0.7	0.3	0.4	0.5	0.7	1.0
KCONS_00020798	15	42188820	42190786	+	1046	0.0	0.6	0.9	0.1	1.5	0.1	0.1	0.1	0.4	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7	0.1	1.9	0.7	0.1	0.1	0.1	0.8	0.2	0.3	0.1	0.1	0.2	1.2	0.1	0.4	0.7	0.4	0.3	0.9	0.2	0.4	0.5
KCONS_00021671	15	30693703	30697569	-	3604	0.0	0.2	0.4	0.6	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	1.3	0.0	0.0	1.6	0.0	0.0	0.6	0.3	0.3	0.0	0.0	1.6	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.4	0.0	0.7	0.5	0.2
KCONS_00025090	16	67551863	67562616	-	539	1.7	0.8	0.7	0.4	1.0	0.1	0.8	0.6	0.3	0.6	1.2	0.2	0.4	0.7	0.0	0.8	1.0	0.7	0.2	0.7	0.2	0.6	0.4	0.4	0.1	0.2	0.4	1.5	0.1	0.3	0.7	0.5	0.1	0.3	0.6	0.0	0.1	0.1	0.4	0.7
KCONS_00026676	17	45105712	45125449	+	952	0.5	0.6	0.2	0.9	0.9	0.9	0.7	1.1	0.7	0.3	0.6	0.4	0.8	0.7	0.8	0.5	0.0	0.9	0.7	1.8	0.5	1.3	0.6	0.6	0.6	0.5	0.3	0.3	0.3	0.6	0.6	0.4	0.7	0.8	0.0	0.4	0.5	0.6	0.6	0.7
KCONS_00041667	22	23222916	23223565	+	356	0.7	0.1	0.0	0.3	0.2	0.0	0.0	0.6	0.2	0.2	0.0	0.4	0.0	0.6	0.2	0.0	0.6	1.4	0.0	1.1	0.0	0.0	0.3	0.0	0.2	0.6	0.0	0.0	0.0	0.5	0.0	0.3	2.2	0.7	0.0	0.8	0.0	0.2	0.6	0.0
KCONS_00043579	3	46794662	46852148	+	1890	0.0	0.5	0.4	0.2	1.7	0.4	0.2	0.2	1.1	0.3	0.0	0.5	0.2	0.5	0.2	0.4	0.4	0.4	0.5	0.2	0.2	0.4	0.0	0.2	0.1	0.2	0.0	0.5	0.2	1.0	0.8	0.5	0.4	0.5	0.7	0.6	0.5	0.0	0.6	0.4
KCONS_00012334	11	47405180	47417133	-	296	0.6	1.3	0.7	0.6	0.1	0.9	1.0	0.5	0.1	0.2	1.5	0.2	0.1	0.0	0.2	0.1	0.0	0.6	0.5	0.0	0.2	0.3	0.2	0.1	0.1	0.2	0.0	0.3	0.1	0.5	0.2	0.1	0.0	0.1	0.2	0.1	0.2	0.0	0.1	0.2
KCONS_00019410	14	105948100	105949672	+	1290	0.5	0.3	0.4	0.9	0.4	0.4	0.4	0.6	0.6	0.0	0.5	0.4	0.0	0.0	0.0	0.7	0.0	0.7	0.3	0.7	0.3	1.5	0.0	0.5	0.0	0.9	0.6	0.0	0.0	0.0	0.6	0.7	0.3	0.7	0.4	0.3	0.3	0.0	0.7	1.0
KCONS_00024685	16	18468869	18471017	-	392	0.2	0.3	0.1	0.4	0.8	0.3	0.3	0.1	0.1	0.3	0.6	0.6	0.8	0.3	0.6	0.3	0.4	0.1	0.4	1.4	0.5	0.4	0.1	0.5	0.1	0.3	0.9	0.3	0.2	0.4	0.4	0.3	1.8	0.3	0.3	0.8	0.4	0.5	0.1	0.3
KCONS_00032559	19	865869	867582	-	1356	0.4	0.4	0.3	0.6	0.4	0.3	0.4	0.5	0.6	0.2	0.2	0.3	0.3	0.5	0.5	0.3	0.2	0.8	0.4	1.6	0.1	0.3	0.4	0.7	0.4	0.7	0.0	0.4	0.3	0.4	0.5	0.3	0.5	0.8	1.1	0.7	0.3	0.0	0.5	0.5

Table S6. Normalized read count of mRNAs in individual LV samples (only genes ≥ 3 RPKM in at least two sample were listed)

Transcript	NF1	NF2	NF3	NF4	NF5	NF6	NF7	NF8	ICM pre-LVAD1	ICM pre-LVAD2	ICM pre-LVAD3	ICM pre-LVAD4	ICM pre-LVAD5	ICM pre-LVAD6	ICM pre-LVAD7	ICM pre-LVAD8	NICM pre-LVAD1	NICM pre-LVAD2
A2M	190.8	159.6	122.4	240.4	261.1	170.2	150.1	184.3	215.1	130.9	119.2	153.1	175.2	135.9	272.5	112.9	221.0	144.2
A4GALT	14.5	18.4	13.1	20.9	19.7	14.8	13.4	17.1	19.8	19.0	17.8	14.3	11.1	20.0	18.9	17.3	16.4	15.7
MT-J01415.25	11557.9	10278.8	12060.3	14448.2	3267.3	3821.7	10954.3	10091.7	8634.3	11409.5	10411.2	8655.7	3466.3	2581.5	8248.6	8105.6	10425.2	9730.5
MT-ATP6	29746.6	27708.7	35018.2	38601.6	22431.9	28260.6	36216.7	33140.1	25331.0	33649.9	29639.7	31315.2	26443.8	21654.4	26520.1	26732.9	30438.4	26319.5
MT-CO1	66046.6	54831.5	70749.0	70567.4	37188.0	66637.2	82012.3	54752.3	54836.3	61445.1	60994.3	66604.7	50605.9	43170.3	44541.6	61238.7	52092.0	54095.1
MT-CO2	26804.3	23891.6	31042.4	34317.8	14839.4	23524.8	30583.9	27420.4	16637.7	24948.5	21002.4	20929.7	25513.9	19248.0	17610.0	23990.2	24253.4	18879.3
MT-CO3	24396.8	21663.3	30276.1	30419.5	17951.9	25542.5	38415.7	26706.7	22348.1	27854.9	27071.5	32147.5	21783.5	19414.9	25907.0	25908.8	24897.8	20710.5
MT-CYB	17065.1	14381.6	19308.0	20477.4	16213.7	14226.8	22327.0	17748.9	14354.8	17700.4	13578.1	15808.3	13347.0	14171.1	16061.4	12984.0	17880.9	13482.8
MT-ND1	15426.5	13290.0	19904.9	22833.3	14382.7	17312.9	18192.3	18092.1	10120.3	18276.2	12182.0	13277.2	10311.0	9530.7	14640.9	11888.7	14229.3	12293.8
MT-ND2	14225.0	13315.7	17567.4	20931.5	15990.0	14958.8	18663.8	17155.8	9786.9	19591.3	13585.4	14052.6	13298.6	11947.8	15604.7	11482.5	21322.9	14147.4
MT-ND3	10870.2	9463.7	13317.0	14173.4	10239.3	11997.4	11445.3	9665.4	6236.9	12922.0	11925.1	12503.7	12854.5	7477.4	10107.3	7211.9	13466.9	11014.5
MT-ND4	24062.0	21020.7	25025.1	27873.6	17954.4	22367.6	26691.2	25157.2	19565.3	25382.1	22942.4	22850.0	22145.1	19439.5	22650.9	20490.3	26048.7	19862.0
MT-ND4L	9634.8	7971.0	9796.6	9731.3	5547.6	5883.4	9768.0	10081.8	8060.0	10631.6	9057.8	8641.9	4926.1	5248.7	8026.0	8206.4	9767.8	9146.2
MT-ND5	10232.3	8670.5	12743.5	11062.4	9719.7	9085.3	14178.2	13313.1	11954.1	11980.6	9686.9	10684.1	9402.0	8198.0	8968.8	12458.8	12408.7	10777.2
MT-ND6	8206.8	7102.1	9844.6	9683.4	7271.5	7077.5	12030.4	10359.7	10836.4	10684.9	8345.6	10721.6	9223.8	7222.6	8195.1	10804.2	11696.8	8541.7
AAAS	10.1	10.0	9.8	8.2	11.8	7.6	8.3	9.3	11.0	10.9	13.1	12.7	12.0	12.2	15.3	9.9	10.1	10.6
AACS	3.4	3.5	3.2	3.1	4.2	3.9	3.0	3.2	2.8	1.4	4.5	2.0	3.2	3.0	2.6	3.3	2.3	2.6
AAGAB	4.1	5.4	5.7	7.5	4.7	5.3	4.3	4.5	6.4	6.2	6.5	6.5	7.0	7.9	6.7	6.1	5.5	6.7
AAK1	3.6	4.1	3.3	2.9	4.2	4.2	3.0	3.7	3.8	3.9	4.2	3.7	2.4	4.0	2.3	3.9	3.8	4.7
AAMP	15.9	21.6	16.4	16.4	19.1	19.8	16.3	16.2	23.0	19.4	25.0	25.1	19.3	24.7	24.5	20.1	20.4	22.0
AARS	18.4	20.9	17.0	18.0	19.1	16.9	14.4	15.6	18.0	17.1	16.8	17.0	21.6	21.3	22.4	18.8	17.3	17.5
AARSD1	12.5	13.5	13.2	15.2	14.5	13.2	12.4	13.8	15.2	13.6	14.0	16.8	15.7	18.5	12.6	13.5	13.3	14.8
AASDHPPT	3.9	3.5	3.0	3.8	4.1	3.2	3.2	3.0	4.2	3.0	4.3	3.9	3.4	4.7	3.0	4.1	2.8	4.0
AASS	4.4	5.1	4.9	7.7	4.4	5.9	4.3	4.4	3.7	2.7	4.3	2.5	1.5	2.2	1.0	4.0	2.5	3.9
AATF	7.2	8.0	6.6	9.7	7.5	8.0	6.9	5.9	9.4	7.6	6.9	8.8	9.9	10.1	12.3	8.1	11.8	8.0
ABAT	4.4	6.8	3.3	3.9	5.6	10.8	2.0	6.7	5.3	4.9	7.6	9.0	3.4	3.3	5.0	7.1	4.6	13.7
ABCA1	2.2	2.1	1.0	1.8	2.6	1.9	1.9	1.9	2.4	1.6	2.5	1.5	1.4	2.8	1.0	2.1	2.1	2.9
ABCA10	1.6	1.8	1.0	1.2	1.5	1.6	1.4	1.5	1.6	0.9	2.1	0.9	3.4	2.3	2.2	1.0	1.2	1.5
ABCA2	4.8	4.4	4.1	4.7	7.5	5.3	4.3	5.3	7.4	5.8	6.6	5.9	6.5	7.6	8.3	6.3	6.2	6.1
ABCA3	1.6	1.7	1.8	2.2	1.7	1.7	1.5	2.3	3.2	1.9	2.5	2.5	2.1	3.6	3.5	2.5	2.7	2.0
ABCA5	3.0	2.6	2.8	2.1	2.1	2.6	2.4	1.7	2.6	1.6	3.0	2.1	1.4	1.7	1.5	2.7	1.9	2.2
ABCA6	6.0	5.3	2.9	3.1	7.6	6.1	3.7	4.9	5.5	3.7	3.3	2.2	4.4	5.4	6.7	5.4	3.0	4.5
ABCA8	22.2	17.2	13.7	10.4	19.7	13.7	12.7	17.0	16.5	10.9	11.9	7.4	13.7	9.9	14.8	12.3	8.9	15.7
ABCA9	8.8	7.2	4.2	4.0	5.5	9.5	4.6	8.3	4.6	3.2	4.2	2.6	3.7	4.6	3.4	3.9	4.1	5.9
ABCB10	2.4	2.6	3.3	2.0	4.1	2.4	2.0	2.5	3.4	2.1	2.7	2.3	3.1	3.5	2.9	2.1	2.7	3.2
ABCB6	4.3	3.7	2.7	3.6	2.8	4.2	3.5	2.7	3.6	2.4	3.8	2.9	4.7	7.1	4.1	3.2	2.9	3.4
ABCB7	9.1	10.1	10.5	9.5	11.2	10.0	7.8	8.0	9.8	8.3	12.3	9.0	9.7	9.2	7.0	9.2	9.0	10.8
ABCB8	2.7	3.4	2.6	3.4	3.8	3.9	2.7	4.4	4.7	3.1	3.1	3.3	3.6	3.5	3.8	3.5	2.5	3.7
ABCC1	3.5	4.3	4.1	3.1	4.8	3.7	3.9	3.8	4.1	3.9	3.5	3.3	3.8	3.6	5.2	4.5	3.4	4.1
ABCC5	20.1	11.7	10.2	19.2	16.3	12.2	11.2	12.3	19.1	20.7	17.3	21.3	16.4	17.7	12.0	17.4	13.7	16.5
ABCC9	15.6	8.5	9.7	9.9	10.4	13.6	9.4	13.4	15.5	9.4	12.1	6.9	4.8	7.7	3.9	8.4	8.2	12.1
ABCD1	3.3	2.8	2.5	3.1	3.9	3.1	2.6	2.8	3.1	2.3	2.9	2.7	3.1	4.4	4.0	3.8	3.4	2.2
ABCD3	13.1	11.3	11.2	18.0	16.3	10.6	10.4	13.0	12.6	11.7	13.7	11.1	11.0	13.8	7.9	12.8	11.1	13.2
ABCD4	3.6	3.7	2.9	2.9	4.3	3.4	2.7	2.9	4.1	3.2	3.7	4.0	4.8	4.4	5.9	3.1	2.6	3.3
ABCE1	5.4	5.8	5.9	6.9	5.1	4.5	4.8	5.9	6.2	6.5	5.6	5.0	5.7	6.5	5.2	5.4	6.0	6.3
ABCF1	9.9	13.3	10.5	12.8	14.0	10.6	9.6	14.1	14.3	12.9	12.1	11.5	13.7	15.4	13.0	13.9	12.6	11.8
ABCF2	10.3	10.6	10.7	12.9	11.4	8.9	8.9	11.9	11.8	11.4	9.7	10.2	13.0	13.0	10.7	12.2	11.0	11.5
ABCF3	15.1	18.0	16.6	15.1	12.3	12.9	14.4	14.3	15.7	15.3	16.5	15.9	15.8	17.2	14.9	16.0	12.8	16.2
ABCG1	3.8	5.0	2.3	1.9	3.0	4.1	2.6	4.1	3.2	2.4	4.8	4.6	1.3	4.7	1.6	4.6	3.5	3.0
ABHD10	6.0	6.8	5.3	6.4	7.3	6.8	5.3	7.2	8.1	7.1	8.7	7.1	5.4	6.6	4.9	7.0	4.7	8.5
ABHD11	3.9	4.6	4.4	3.4	3.4	4.3	3.0	3.5	5.6	4.3	5.3	7.3	5.0	5.6	3.8	6.0	5.3	5.6
ABHD12	5.0	7.8	7.0	6.9	8.0	8.0	5.5	7.2	7.1	6.9	6.7	8.5	9.0	11.8	10.7	9.3	10.3	6.9
ABHD14A	9.4	5.5	5.8	8.0	9.4	8.1	8.2	8.2	7.0	6.1	9.0	8.7	6.4	7.6	10.0	7.8	8.0	6.0
ABHD14B	5.1	5.3	3.7	4.2	7.1	6.2	3.4	4.1	6.3	4.7	5.6	5.7	6.2	7.0	12.2	4.8	7.2	6.5
ABHD16A	7.9	7.2	7.7	10.4	7.6	6.6	6.8	6.2	9.2	8.9	9.5	9.4	10.3	8.2	9.9	7.3	8.3	7.6
ABHD2	5.9	10.5	20.4	16.0	11.3	6.0	7.3	8.7	14.9	18.6	13.6	15.9	9.6	18.8	11.3	15.8	23.0	17.4
ABHD4	4.2	3.8	6.3	5.7	3.7	5.7	5.1	3.8	6.9	5.0	5.5	5.9	6.0	6.9	8.6	5.2	6.0	4.9
ABHD5	2.3	3.6	3.6	4.7	2.8	2.9	2.9	3.0	3.5	2.7	3.4	3.0	2.9	3.7	2.1	3.0	3.2	2.9
ABHD8	2.0	2.8	2.2	2.9	2.5	3.2	2.3	2.1	2.4	2.3	2.0	2.2	2.7	2.9	3.5	2.6	2.3	1.6
ABI1	4.6	4.7	4.9	4.4	5.8	4.4	3.4	4.5	6.2	4.7	5.2	4.9	5.5	6.4	7.5	4.5	5.8	5.1
ABI2	7.6	8.3	6.2	6.4	8.0	7.2	6.3	8.1	9.4	7.3	9.6	7.1	8.1	9.8	6.4	8.0	8.7	10.8
ABI3BP	4.5	4.1	2.8	2.2	10.2	6.1	3.6	8.2	10.9	8.3	8.3	2.8	13.0	12.9	26.0	6.2	10.7	8.0
ABL1	7.8	8.4	6.9	7.2	10.0	8.4	7.3	7.7	10.5	8.6	7.7	7.1	8.7	9.6	12.0	10.2	8.5	8.5
ABLIM1	169.8	153.6	128.1	147.1	189.5	132.3	136.6	143.9	148.0	120.0	147.9	112.1	112.4	133.2	63.4	137.5	124.2	127.7
ABLIM2	1.9	2.5	1.4	2.3	3.3	2.0	1.3	3.5	2.8	2.2	1.5	4.8	2.4	2.3	2.4	2.2	3.0	2.8
ABLIM3	31.9	28.7	24.0	19.6	41.0	35.3	25.7	26.4	24.8	20.0	26.1	16.7	35.9	36.7	35.5	36.6	34.2	34.0
ABR	28.0	27.5	19.8	22.9	34.8	27.2	25.2	35.0	32.6	24.3	31.2	24.8	31.0	37.3	29.8	32.0	23.0	25.1
ABRA	5.3	7.6	12.0	2.9	8.0	13.2	6.6	5.2	3.4	9.5	6.3	4.6	6.7	3.9	3.5	2.7	8.9	4.1
ABT1	3.3	3.2	2.8	3.4	3.8	3.5	3.1	3.3	4.1	2.9	3.1	3.7	4.2	4.5	4.9	3.7	3.0	3.4
ABTB1	9.8	10.5	6.5	8.8	12.2	12.3	12.0	6.7	12.6	10.0	11.8	12.6	13.8	10.7	15.7	12.7	10.2	10.5
ABTB2	3.0	2.9	2.7	2.6	7.2	3.9	2.1	6.0	6.3	4.0	3.9	6.6	2.4	6.4	8.7	3.7	4.2	6.3
ACAA1	36.2	28.2	34.5	33.5	34.6	33.0	28.4	33.3	31.0	26.0	41.4	34.7	29.4	30.2	27.8	33.5	25.8	33.0
ACAA2	89.6	65.6	87.1	75.4	81.6	61.5	98.7	77.0	68.1	62.7	66.7	66.9	73.2	65.2	45.4	65.4	61.6	59.6
ACACA	2.3	1.8	2.1	1.9	2.0	2.2	1.4	1.8	2.5	2.0	2.7	1.9	2.8	3.4	2.0	2.5	2.9	2.3
ACACB	16.8	15.5	15.7	17.3	22.0	15.9	15.4	25.3	18.6	14.9	14.0	14.0	13.6	15.6	10.6	16.9	17.0	13.8
ACAD10	7.6	6.0	4.7	4.1	6.6	7.4	4.8	7.7	7.1	6.6	6.7	6.7	6.6	6.9	7.6	7.1	5.3	7.9
ACAD11	6.9	8.0	6.7	6.2	9.7	7.2	6.6	8.2	9.6	8.4	7.7	9.3	6.1	11.2	8.8	8.6	9.1	10.8
ACAD8	7.9	12.8	11.5	11.1	8.2	10.5	9.3	10.7	13.5	11.4	15.3	12.8	11.2	9.8	9.6	10.5	10.0	14.3
ACAD9	10.7	9.9	12.3	11.2	13.6	10.7	9.0	10.0	10.8	8.5	11.8	9.9	11.5	9.9	10.7	9.8	8.0	10.5
ACADM	75.2	70.1	72.1	58.0	75.1	66.9	61.9	77.6	54.9	65.6	58.2	56.9	90.5	68.3	65.6	67.0	56.7	71.3
ACADS	21.4	19.9	22.6	17.8	25.7	20.7	25.1	23.7	21.7	18.9	23.0	25.5	20.6	18.4	15.3	21.9	16.0	19.7
ACADSB	7.2	7.8	8.2	7.4	7.6	7.5	7.6	8.7	7.6	5.5	9.5	6.9	5.2	4.8	4.5	7.6	6.9	8.8
ACADVL	318.8	275.4	278.4	251.2	262.5	235.9	311.0	302.2	282.6	212.3	188.0	218.0	244.2	179.9	177.9	216.3	199.9	197.9
ACAP2	2.0	2.0	1.5	1.2	2.0	1.9	1.5	1.6	2.3	1.6	1.8	1.3	1.7	1.8	2.0	1.5	1.7	2.2
ACAP3	11.6	10.9	7.3	8.1	11.7	8.9	8.8	7.1	10.1	11.2	11.2	10.3	11.5	11.8	12.1	7.0	10.4	8.3
ACAT1	125.8	137.2	129.7	94.2	110.5	125.8	101.9	115.7	102.3	101.0	132.5	124.3	125.7	91.0	72.4	96.3	94.2	118.6
ACAT2	1.9	2.4	1.7	2.3	2.3	2.7	1.4	1.9	2.3	1.2	2.4	2.9	2.9	3.6	3.6	2.5	2.1	2.2
ACBD3	5.3	6.1	5.9	5.9	5.2	5.5	4.6	5.9	7.0	6.1	5.3	6.5	6.7	8.2	6.9	6.0	6.9	6.4
ACBD4	1.9	2.8	2.1	2.2	2.8	3.9	1.9	2.5	3.6	2.2	3.4	3.7	3.0	4.0	6.5	3.8	2.6	2.9
ACBD5	12.6	14.3	11.7	11.5	10.3	8.7	9.7	10.9	11.1	9.4	12.6	8.5	10.4	13.0	6.4	10.3	9.9	11.7
ACBD6	5.0	6.3	7.1	6.7	6.6	6.0	5.2	5.3	6.4	3.9	6.7	5.5	6.6	6.3	6.6	5.6	5.3	4.9
ACCN3	2.7	2.3	1.6	2.2	3.7	3.5	2.9	3.3	2.3	1.5	1.1	1.8	2.7	1.6	1.9	2.0	1.8	1.9
ACCS	2.2	1.3	1.0	1.0	1.9	2.3	0.9	1.6	2.4	1.4	1.5	1.0	1.1	1.3	2.5	1.5	2.2	2.1
ACD	1.5	2.2	1.8	2.1	2.0	2.4	2.2	1.6	2.7	2.3	2.2	2.9	2.6	2.2	4.1	2.0	1.9	1.8
ACE	1.5	1.4	0.5	0.8	2.1	4.8	0.6	0.2	1.9	2.2	3.8	2.0	2.9	3.4	5.8	2.7	1.5	2.3
ACE2	7.3	12.7	8.9	8.6	8.0	5.5	9.1	11.1	6.6	6.1	4.3	12.3	3.4	20.4	6.9	4.9	26.3	5.8
ACIN1	13.8	12.3	10.4	12.3	13.1	11.7	10.4	12.3	15.5	12.6	12.0	13.9	16.3	14.3	19.8	13.7	12.9	13.9
ACLY	6.1	6.6	5.5	6.6	7.4	5.9	4.6	7.4	8.2	6.1	7.0	6.0	7.3	7.1	11.4	6.6	6.5	5.6
ACN9	3.8	3.6	3.5	3.3	3.6	3.5	3.7	3.7	3.2	2.3	4.0	3.8	3.4	2.1	2.8	3.0	2.4	2.7
ACO1	16.9	18.6	17.5	14.5	19.3	18.3	13.3	16.5	16.5	15.7	17.9	17.4	16.7	17.8	13.0	15.1	13.8	19.8
ACO2	241.2	274.1	255.4	223.3	229.1	265.0	203.0	274.7	275.1	257.9	270.0	284.2	252.9	237.7	197.1	248.3	227.1	272.1
ACOT1	12.5	4.7	5.6	3.0	6.4	7.3	5.8	8.4	9.0	0.0	13.5	6.7	4.0	4.5	7.1	9.1	6.2	6.2
ACOT11	6.6	10.7	6.9	10.5	17.6	12.3	9.7	13.3	15.2	10.9	17.2	15.2	6.9	10.5	4.6	12.0	8.6	7.8
ACOT13	7.0	5.5	7.4	6.6	5.0	6.1	7.1	5.7	7.3	5.8	6.3	6.0	5.8	5.4	4.4	6.9	5.3	6.9
ACOT2	32.5	30.2	36.2	29.6	34.1	21.4	34.0	27.7	28.0	29.3	34.1	15.6	13.4	29.5	22.1	24.0	24.0	19.6
ACOT7	3.1	2.2	3.4	5.5	3.7	1.9	2.9	3.2	4.1	2.8	3.4	2.9	2.8	4.5	4.4	2.9	3.7	2.6
ACOT8	7.9	8.3	6.6	7.8	8.4	7.6	5.9	7.3	7.5	6.6	7.5	8.6	11.6	10.4	6.9	8.1	8.0	9.4
ACOT9	15.7	21.8	20.4	16.8	25.1	15.6	13.8	16.9	25.6	21.2	21.0	22.1	19.8	24.5	19.5	18.4	23.4	25.7
ACOX1	6.0	5.8	5.5	5.7	5.2	5.3	5.4	6.1	6.8	5.1	6.2	4.6	5.4	6.4	3.6	6.0	4.9	6.5
ACOX2	10.0	9.9	6.3	8.1	6.1	7.8	6.6	7.4	7.4	7.5	7.1	7.5	9.9	10.1	7.9	10.1	6.5	8.9
ACOX3	2.6	2.9	4.0	3.0	5.0	2.3	2.4	3.2	4.6	2.4	3.7	2.3	2.5	4.6	3.3	3.0	3.0	2.5
ACP1	18.1	18.2	18.4	17.6	21.7	16.9	18.8	21.1	18.2	14.9	17.6	18.0	22.6	22.6	19.1	18.1	17.8	19.9
ACP2	6.2	7.3	5.6	7.7	8.3	6.7	5.5	7.3	8.9	6.3	6.9	7.2	6.1	8.0	7.9	6.3	6.3	6.5
ACP5	0.7	0.6	0.4	0.2	2.5	0.9	0.6	1.3	3.4	0.5	1.0	0.3	1.2	0.7	2.7	2.0	2.4	1.2
ACP6	3.8	1.3	1.2	2.3	3.4	3.0	0.9	3.0	3.6	2.7	1.4	3.8	2.8	3.5	1.3	2.6	1.8	2.6
ACPL2	3.0	2.8	1.7	2.4	3.9	2.2	2.0	2.8	3.2	1.8	2.7	2.4	3.5	4.8	4.4	2.0	3.4	3.4
ACSF2	3.0	3.0	1.9	2.3	3.0	4.2	3.6	2.2	3.0	1.9	5.3	3.5	4.7	2.7	4.4	3.6	3.5	2.6
ACSF3	2.3	2.9	2.6	2.5	2.4	5.2	1.9	3.2	3.9	3.8	2.7	2.8	2.8	3.0	3.1	2.1	2.3	2.7
ACSL1	55.5	57.7	66.8	54.2	65.7	49.2	69.8	67.3	54.7	62.1	56.2	80.1	46.3	48.6	30.3	41.8	51.9	59.1
ACSL3	7.2	6.7	6.6	5.0	7.0	6.6	4.9	8.5	8.5	7.1	7.0	7.1	7.6	6.4	4.5	6.6	6.8	8.6
ACSL4	7.5	8.3	7.5	5.7	8.5	7.6	6.5	7.9	10.4	8.6	9.3	7.3	8.5	10.9	5.8	9.0	10.0	11.5
ACSL5	2.0	2.8	2.2	2.3	2.9	2.3	2.4	2.4	3.5	2.6	2.0	2.6	4.8	2.1	3.8	2.6	3.1	3.3
ACSM3	2.0	3.4	0.8	1.0	5.3	2.0	1.4	2.2	1.3	0.8	1.6	1.3	1.7	1.3	2.2	3.2	0.8	2.3
ACSM5	0.2	0.2	0.1	0.1	0.7	0.5	0.3	2.6	0.2	0.1	0.3	0.2	0.3	0.2	0.6	3.3	2.4	0.1
ACSS1	21.4	41.8	35.1	42.7	17.9	31.7	39.0	27.3	22.6	22.8	30.8	22.6	17.9	12.9	10.0	27.2	12.7	17.8
ACSS2	24.6	32.3	25.0	26.4	27.0	26.0	21.1	19.4	20.2	21.1	26.7	22.2	21.6	20.4	17.3	23.5	18.2	20.0
ACSS3	4.6	8.1	5.8	4.8	5.7	5.8	5.1	5.5	4.0	4.3	4.7	2.4	3.6	5.8	2.7	4.7	4.2	3.9
ACTA1	470.6	4208.2	935.7	689.7	2229.7	1381.8	216.1	2691.4	1616.9	2846.6	3176.6	2121.9	3165.7	4031.6	2607.5	3299.0	3023.3	3121.2
ACTA2	63.1	38.6	73.4	57.4	162.7	59.1	41.3	67.6	99.7	51.4	52.2	49.6	70.9	183.5	581.1	62.3	102.9	53.6
ACTB	188.6	144.8	201.8	247.9	272.9	238.4	209.8	244.0	309.9	173.8	209.6	152.0	276.4	296.6	639.6	173.0	236.7	161.3
ACTC1	2194.0	2428.9	1759.4	968.7	2713.9	1904.3	1222.8	1937.3	1129.3	931.3	1935.4	1053.5	1748.7	1702.3	1598.0	1296.8	1372.7	1368.1
ACTG1	102.6	65.3	73.4	84.6	128.4	115.4	82.6	104.1	152.2	117.9	94.3	104.2	150.1	175.6	300.6	98.3	114.8	98.1
ACTG2	1.0	0.8	1.4	3.7	13.1	1.1	1.2	3.1	2.1	0.5	0.8	0.4	1.6	3.6	27.5	1.7	0.7	0.7
ACTL6A	6.2	6.7	5.6	5.5	5.3	5.6	4.7	6.5	6.8	6.7	7.1	6.1	8.4	7.6	7.7	5.4	5.1	7.3
ACTN1	12.2	17.2	19.0	60.8	35.3	18.3	16.2	27.4	35.9	22.3	20.0	19.2	26.9	57.2	73.5	23.7	50.0	28.7
ACTN2	517.0	727.6	591.3	452.8	386.2	386.5	364.4	458.4	504.4	654.0	568.2	655.8	622.1	664.2	405.1	655.0	696.3	569.1
ACTN4	27.5	24.5	34.4	22.7	41.0	23.1	25.8	24.3	34.3	34.2	26.7	23.2	28.1	37.0	86.2	27.1	37.3	29.3
ACTR10	13.0	12.1	11.4	13.5	14.5	13.1	12.3	12.3	13.4	12.5	13.9	10.3	17.7	16.7	15.2	13.5	12.9	13.1
ACTR1A	27.0	27.0	26.3	28.5	31.9	25.9	21.6	29.3	32.4	30.5	27.3	25.6	34.0	38.5	32.3	30.9	34.9	26.9
ACTR1B	16.5	19.3	16.1	13.8	19.1	19.2	16.3	16.0	18.9	17.2	18.6	19.7	19.6	23.6	21.4	17.4	17.6	20.5
ACTR2	18.3	18.7	19.9	18.2	22.2	18.1	17.2	20.5	24.0	19.6	17.4	16.5	19.1	21.7	18.1	21.2	21.3	22.7
ACTR3	20.1	18.8	21.6	24.9	24.3	17.7	16.7	20.4	24.5	20.0	20.8	19.6	24.1	25.7	25.6	22.3	25.6	24.1
ACTR6	4.6	5.2	4.0	4.5	4.6	4.4	4.1	4.4	6.5	5.7	6.3	6.4	6.8	6.4	5.8	6.4	5.5	5.1
ACTR8	4.4	4.9	4.7	4.4	4.5	3.0	4.0	4.3	4.0	5.0	5.5	5.0	3.6	5.3	3.2	4.9	3.7	6.1
ACVR1	5.7	5.6	4.1	4.2	7.1	5.0	5.0	7.6	8.3	5.0	6.1	5.6	8.0	9.2	9.8	7.1	6.4	7.1
ACVR1B	2.6	2.7	2.5	2.9	2.8	2.3	2.8	2.4	3.5	2.6	2.7	2.9	2.8	3.2	3.4	3.0	3.3	2.8
ACVRL1	5.7	4.3	7.5	6.4	7.3	5.4	5.9	5.9	6.8	4.4	4.2	3.0	4.7	4.9	7.4	3.6	4.8	4.7
ACY1	2.9	3.1	4.5	5.6	5.1	3.8	3.6	4.0	2.9	3.1	4.3	4.0	1.5	5.8	3.8	4.0	2.2	2.5
ACYP1	2.7	3.1	3.2	1.7	3.0	2.4	2.2	2.9	3.6	4.1	6.7	5.5	4.0	4.5	5.8	2.7	3.1	4.5
ACYP2	10.2	16.2	15.7	13.8	16.1	17.0	14.6	15.1	12.4	9.6	15.3	15.8	16.1	18.4	12.6	15.5	12.2	17.2
ADA	4.0	2.7	1.8	3.2	2.8	4.9	2.2	3.2	3.6	1.5	1.9	2.4	3.0	1.9	7.6	3.0	2.3	2.7
ADAL	5.4	5.1	4.9	3.9	4.1	4.0	3.9	4.2	4.8	4.7	4.6	4.3	3.5	3.7	2.4	3.6	3.3	5.3
ADAM10	8.8	7.7	6.3	6.2	8.3	6.4	5.9	7.5	10.0	7.2	6.5	6.1	6.6	8.6	4.7	6.0	8.4	7.7
ADAM11	5.8	3.0	3.6	4.5	3.3	2.9	3.0	1.5	1.7	0.4	3.9	0.3	1.1	1.1	0.6	2.4	0.3	0.6
ADAM15	20.6	19.3	21.3	24.3	28.0	16.4	19.1	18.0	24.3	19.6	15.7	15.8	18.4	16.0	29.2	16.4	14.3	17.7
ADAM17	3.6	3.8	3.5	3.9	4.0	2.9	3.0	3.8	5.0	4.0	3.2	2.8	2.8	4.4	3.4	4.0	4.4	4.0
ADAM19	1.5	3.0	1.3	3.1	3.4	1.0	0.9	2.9	2.9	4.1	2.4	4.1	2.6	4.4	5.1	2.3	7.4	5.0
ADAM23	25.8	14.3	20.5	21.8	22.6	18.3	20.2	18.0	18.4	17.2	28.4	12.6	18.6	22.9	16.0	22.1	17.0	22.6
ADAM33	4.3	3.7	2.1	2.4	6.2	7.2	3.0	4.4	4.7	2.9	3.6	2.9	5.6	6.5	10.1	5.7	2.2	4.9
ADAM9	19.8	22.8	21.4	33.8	25.4	17.3	18.3	26.4	27.0	22.9	21.3	19.2	24.9	33.0	17.0	20.9	25.9	23.1
ADAMTS1	30.0	8.6	8.8	18.7	14.3	40.5	16.6	9.9	20.5	26.4	8.7	9.4	25.9	30.6	38.7	27.3	18.0	12.9
ADAMTS10	1.6	1.2	0.5	0.8	2.2	2.9	1.3	1.4	2.6	1.8	1.5	2.1	1.6	2.8	5.9	1.9	2.3	1.8
ADAMTS15	4.7	7.5	5.4	9.0	2.4	5.5	2.6	5.4	2.2	0.8	1.8	1.4	1.7	2.0	2.3	2.3	1.3	1.6
ADAMTS2	1.0	0.7	0.5	1.2	3.3	0.9	0.9	1.5	1.5	0.9	0.9	0.8	1.8	3.3	3.8	1.6	1.3	1.2
ADAMTS4	4.6	1.6	1.8	9.0	3.9	16.4	6.1	2.0	3.1	5.4	0.4	0.9	1.6	4.8	2.8	6.3	1.7	0.6
ADAMTS7	4.0	4.2	1.9	2.9	7.1	4.3	3.7	5.4	4.3	1.4	3.5	3.2	2.7	2.9	3.6	2.9	1.4	1.6
ADAMTS9	4.8	1.7	3.2	8.4	7.0	2.9	2.6	4.1	2.1	3.6	1.2	1.3	1.5	1.6	2.0	2.1	2.0	2.5
ADAMTSL2	1.6	0.7	1.0	1.3	1.1	1.9	0.9	2.0	2.0	1.7	2.3	1.5	7.5	6.0	8.5	1.1	2.2	2.3
ADAMTSL3	2.9	2.1	1.5	1.5	3.2	2.3	1.7	2.7	2.9	1.8	2.7	1.5	1.5	1.8	3.0	2.1	1.6	2.8
ADAMTSL4	12.8	9.8	10.4	17.7	11.4	8.2	9.3	9.9	13.2	9.0	11.0	5.4	9.3	7.8	12.1	11.5	7.6	7.2
ADAMTSL5	4.7	6.3	5.8	2.1	7.7	3.7	3.3	3.7	7.0	6.8	4.9	8.6	4.2	8.0	6.3	6.1	8.6	6.6

Transcript	NICM pre-LVAD3	NICM pre-LVAD4	NICM pre-LVAD5	NICM pre-LVAD6	NICM pre-LVAD7	NICM pre-LVAD8	ICM post-LVAD1	ICM post-LVAD2	ICM post-LVAD3	ICM post-LVAD4	ICM post-LVAD5	ICM post-LVAD6	ICM post-LVAD7	ICM post-LVAD8	NICM post-LVAD1	NICM post-LVAD2	NICM post-LVAD3	NICM post-LVAD4	NICM post-LVAD5	NICM post-LVAD6	NICM post-LVAD7	NICM post-LVAD8
A2M	165.9	188.0	167.2	116.6	141.3	132.1	94.3	170.3	122.6	132.7	104.1	110.8	142.0	148.3	236.2	175.8	114.3	115.1	175.8	108.5	141.6	145.0
A4GALT	13.9	12.8	12.6	11.0	15.3	15.3	10.1	15.8	11.4	10.3	11.1	14.1	15.5	18.3	12.3	13.7	14.4	9.9	12.0	13.0	9.9	12.9
MT-J01415.25	11163.9	7964.3	3448.3	3945.8	10134.4	7855.0	14085.4	12131.3	8249.3	8073.9	5785.3	3675.8	8322.0	7556.1	5799.7	6485.8	11089.2	7377.2	1835.1	2880.2	6039.1	8043.7
MT-ATP6	33132.3	23358.5	24503.9	27438.1	28819.3	27689.7	36074.8	32524.6	23585.8	23293.2	42999.7	32193.8	29590.0	24920.8	16767.8	19047.6	28667.1	22386.2	14568.3	21049.9	19586.3	24009.0
MT-CO1	65029.5	51966.5	55730.7	67515.7	54558.2	62372.6	93047.0	60855.1	50206.1	54541.9	86950.5	52898.4	63492.7	53890.6	29045.3	37432.5	66001.6	54355.6	34681.3	51839.7	42860.7	55391.7
MT-CO2	25216.4	15302.6	16164.2	22595.0	19207.7	20614.7	20665.8	17672.8	14401.1	18707.0	35888.4	20825.2	19017.4	19208.2	10629.9	12243.2	20337.7	18407.6	9888.3	16520.8	12185.1	15509.8
MT-CO3	28144.3	21860.4	25125.1	24473.2	25992.2	29770.4	40273.8	27470.8	19876.3	23011.6	40547.2	28870.0	29204.7	23280.6	14226.0	16024.8	26225.6	22108.8	12168.6	18378.6	17888.9	25493.7
MT-CYB	16568.3	12604.6	13610.3	15797.6	13875.6	16000.3	22626.2	15864.1	12270.6	15550.9	25701.9	16746.5	20476.0	12486.5	9566.4	11041.2	15697.9	14452.0	9269.2	12895.2	9352.1	14107.1
MT-ND1	13704.5	9971.6	12152.0	14349.3	11916.6	12055.5	19608.9	14741.2	10170.6	11795.1	18911.2	13658.7	14340.2	10632.8	7897.6	8284.7	12330.9	10470.3	6256.4	11492.7	7854.3	11008.0
MT-ND2	15715.6	12021.4	13818.7	14267.4	13485.4	12969.0	16695.7	17103.6	12392.4	12354.1	22634.2	13977.2	19475.8	11525.8	11272.9	10048.7	11000.7	12473.3	7768.2	11151.2	7360.4	12600.8
MT-ND3	13849.9	11122.2	8671.4	11679.4	9310.2	10635.5	10780.3	12206.4	9541.0	9282.7	19639.8	12488.3	13376.1	7524.9	6790.8	6891.1	9719.9	9496.0	5134.3	9321.9	5146.7	9248.1
MT-ND4	27092.0	20053.7	20975.2	24674.0	23267.4	23582.7	31323.8	24042.3	18709.7	19491.0	36958.0	25733.9	23643.5	19019.6	13106.0	12808.0	23136.5	19599.7	12697.0	19810.3	15671.5	19758.6
MT-ND4L	11623.2	8957.0	5426.1	6770.9	7998.2	9161.3	12928.3	9716.3	7205.0	8403.0	10037.8	4559.1	9775.9	7261.0	5293.0	5752.6	8698.9	8209.3	3601.8	5686.1	5802.7	7462.5
MT-ND5	10752.0	10773.0	9552.4	11297.5	14616.0	14825.5	15697.5	10331.6	6385.2	7734.1	15851.7	6766.5	9035.1	11427.1	6625.2	7443.6	12891.2	9966.2	5322.8	8965.8	8265.6	14806.8
MT-ND6	8879.7	8847.2	8102.1	8017.0	12946.9	12859.1	13296.3	9498.2	5016.6	5862.0	13439.2	8096.0	7172.6	10282.0	6237.8	6328.2	11006.5	7760.7	3653.8	6342.6	6679.1	12769.0
AAAS	12.8	14.0	13.9	11.3	8.1	11.0	9.9	11.4	12.4	12.5	10.9	12.0	12.5	10.2	10.7	11.6	11.4	8.1	11.1	7.8	8.1	9.6
AACS	1.9	2.3	5.5	3.1	2.2	2.2	2.4	2.1	3.3	2.8	2.3	3.6	2.3	3.3	3.1	3.2	3.1	2.7	3.5	3.4	2.9	2.8
AAGAB	4.4	7.2	5.9	5.5	5.9	5.7	4.7	4.3	5.2	5.0	4.6	5.5	4.9	6.6	5.9	7.4	4.1	7.2	6.6	6.5	6.9	5.1
AAK1	3.8	4.5	2.9	3.5	3.4	4.4	3.4	3.0	3.3	3.9	1.9	2.1	2.6	3.6	3.0	3.5	3.0	3.4	3.1	2.9	2.5	3.5
AAMP	20.3	24.8	20.5	19.3	18.1	21.6	23.0	19.5	24.5	19.6	18.9	23.4	19.3	24.6	28.4	29.1	23.4	20.8	20.3	24.8	24.8	16.4
AARS	17.6	17.3	19.4	16.7	16.7	19.5	11.4	16.7	19.5	17.0	12.7	16.4	14.5	18.0	18.9	18.0	15.1	15.3	18.0	16.1	16.7	20.1
AARSD1	12.2	14.8	11.5	14.0	13.5	14.5	11.9	12.8	15.9	13.9	10.3	18.1	14.7	15.6	10.3	14.8	14.1	10.0	15.0	11.4	12.2	13.0
AASDHPPT	3.3	3.5	3.8	3.6	3.6	4.0	2.3	2.0	5.2	3.8	1.3	2.1	2.7	4.0	3.0	3.9	3.4	3.9	3.4	3.7	3.6	4.2
AASS	3.0	4.0	3.0	2.9	3.0	2.9	3.0	2.5	4.4	2.5	0.7	1.8	2.4	2.1	5.4	4.6	2.7	6.2	4.8	3.1	3.7	4.8
AATF	7.5	8.4	9.8	7.6	9.3	8.6	6.0	8.4	9.7	7.1	8.2	9.1	6.3	7.9	13.4	9.5	5.7	8.0	8.4	9.3	11.6	8.4
ABAT	3.3	9.5	4.3	5.6	6.5	8.8	4.3	5.5	4.8	3.7	3.2	4.1	2.7	2.7	3.4	9.7	1.0	5.2	5.0	4.4	6.1	3.4
ABCA1	2.2	2.8	3.4	2.3	1.5	2.1	0.6	1.3	0.9	1.1	0.3	0.8	0.8	0.8	3.3	1.0	0.6	1.1	2.0	0.6	1.3	1.8
ABCA10	1.3	3.3	2.7	1.3	1.7	1.0	1.6	1.4	1.2	2.0	1.8	2.9	1.8	0.8	3.2	2.0	1.7	1.1	1.9	0.7	1.6	2.8
ABCA2	5.6	6.3	7.5	5.7	5.9	5.2	3.8	5.5	5.7	5.9	5.1	3.9	4.6	6.2	6.5	7.5	4.5	3.9	6.7	4.9	4.7	4.6
ABCA3	2.7	2.8	2.6	2.5	2.5	2.3	1.4	1.8	2.0	2.3	2.0	1.7	1.9	2.5	2.2	2.5	1.6	2.0	2.3	2.0	2.1	2.0
ABCA5	2.3	2.0	2.7	2.3	2.8	2.5	2.4	1.8	3.1	2.1	1.1	1.8	2.4	2.8	3.0	2.2	2.9	2.7	3.6	1.9	3.2	3.3
ABCA6	4.5	10.6	8.2	3.7	3.4	1.7	6.4	6.2	5.0	3.6	3.5	5.8	1.9	2.6	15.7	7.3	4.1	5.9	6.7	3.3	7.5	2.6
ABCA8	12.6	27.5	20.6	13.2	12.4	9.4	15.6	13.9	12.3	11.4	7.7	12.5	7.0	8.4	12.5	14.4	13.6	8.0	15.0	6.2	10.3	23.1
ABCA9	3.6	10.4	9.5	3.6	4.6	3.1	4.0	4.6	5.7	3.0	3.1	3.4	2.3	2.3	6.5	5.1	6.2	4.1	5.0	1.4	4.9	9.1
ABCB10	2.3	3.2	3.2	2.4	2.1	2.3	2.5	3.2	3.3	2.2	2.7	2.4	2.6	2.8	3.2	4.3	2.9	2.6	3.6	2.9	2.7	2.8
ABCB6	3.3	3.5	4.4	3.3	2.5	2.2	3.1	3.0	2.3	3.4	3.2	2.7	2.7	3.1	3.8	3.7	3.6	2.2	4.4	2.2	2.7	2.5
ABCB7	7.2	8.5	9.2	9.8	9.5	8.4	7.6	9.1	9.7	10.5	5.3	10.0	8.1	8.3	8.1	8.4	8.1	9.3	9.8	8.5	9.9	9.9
ABCB8	3.1	3.5	3.5	3.5	2.7	3.1	2.6	2.6	2.6	3.3	3.1	2.9	4.5	3.5	2.5	3.8	3.3	3.1	3.7	2.6	2.6	2.8
ABCC1	4.1	4.1	4.7	3.8	4.4	3.5	2.5	4.5	3.7	4.0	2.6	2.8	4.4	5.0	5.9	4.0	4.1	4.0	4.3	4.1	4.9	4.3
ABCC5	17.7	16.6	14.8	13.5	13.2	17.0	16.6	13.7	10.8	13.5	11.7	12.8	13.0	10.7	12.1	17.5	20.0	10.7	16.6	6.7	14.0	16.2
ABCC9	13.9	13.0	7.4	9.8	9.7	9.8	4.6	8.5	6.2	5.7	4.0	3.3	5.3	7.3	7.3	7.5	10.9	6.6	8.0	3.6	5.3	13.8
ABCD1	2.8	3.3	3.1	2.5	2.6	2.8	1.9	1.8	2.4	2.2	2.4	3.0	2.8	3.0	2.9	2.9	1.7	2.5	3.6	2.2	2.6	3.1
ABCD3	10.2	14.2	13.1	12.1	13.5	11.6	7.5	9.0	11.3	10.9	7.0	9.3	9.2	10.9	8.4	12.9	8.7	12.0	14.8	11.2	11.2	13.5
ABCD4	3.7	4.4	5.7	3.7	2.9	2.9	3.5	3.0	3.9	4.0	3.2	4.4	4.1	4.1	5.5	3.4	3.8	3.5	4.3	3.1	3.6	3.4
ABCE1	5.1	7.1	5.2	5.2	5.6	5.8	3.8	6.5	5.2	6.5	4.1	4.6	4.7	6.9	7.5	8.3	4.6	6.2	7.2	6.4	6.1	6.5
ABCF1	11.8	12.0	12.9	11.7	12.0	12.5	9.2	11.1	14.1	13.3	9.7	12.0	10.1	13.3	13.2	14.2	10.8	12.6	12.9	13.2	13.7	11.5
ABCF2	9.9	11.7	9.6	9.8	9.3	11.2	8.1	10.3	9.5	11.3	7.4	7.4	7.7	12.1	11.9	13.4	9.9	11.2	12.9	12.2	11.9	11.0
ABCF3	14.9	14.5	14.6	15.0	14.9	16.3	11.9	11.4	16.6	18.5	10.0	15.0	14.7	14.6	13.1	16.5	14.3	14.2	16.4	12.4	15.4	13.8
ABCG1	3.8	4.6	2.4	3.7	1.8	4.9	1.3	5.5	1.4	2.3	0.5	3.5	3.0	2.6	8.8	2.5	1.3	2.5	2.6	2.1	2.1	2.1
ABHD10	5.8	8.6	6.6	6.3	6.9	9.0	5.0	5.2	7.4	5.8	3.8	3.1	4.3	5.2	3.3	6.0	4.9	4.3	5.4	3.3	5.4	6.4
ABHD11	4.4	5.2	4.4	6.0	5.8	5.3	4.3	2.7	7.2	4.8	3.1	6.5	4.4	6.5	2.7	4.7	3.4	3.6	5.6	4.4	3.3	4.0
ABHD12	8.3	11.7	9.4	6.9	6.9	7.2	5.1	6.5	7.2	7.5	7.4	7.8	8.4	8.7	11.8	8.5	7.3	8.5	9.5	6.8	8.5	6.7
ABHD14A	7.3	6.7	9.0	7.2	7.1	7.2	5.2	6.1	6.8	9.8	4.6	6.2	6.7	6.8	7.4	6.3	7.3	4.1	6.3	4.2	5.1	8.4
ABHD14B	4.4	8.5	9.6	5.2	4.8	5.9	5.0	6.8	5.2	5.8	7.2	6.6	5.3	4.7	14.3	6.7	4.5	3.3	5.2	3.5	5.1	5.3
ABHD16A	8.6	10.7	9.0	8.1	6.7	6.9	6.7	6.1	7.4	9.9	6.1	9.0	6.3	7.9	12.1	10.7	8.7	7.3	9.6	7.9	6.8	7.2
ABHD2	15.0	13.6	13.8	13.8	12.0	12.6	10.0	12.1	18.8	13.5	6.0	9.1	13.3	21.4	22.7	29.7	19.2	22.3	29.8	22.7	22.1	10.7
ABHD4	6.0	8.1	6.7	5.1	5.0	4.8	6.2	5.3	4.9	7.1	5.9	5.0	4.8	4.2	7.4	5.9	5.4	5.2	4.3	5.2	5.6	4.0
ABHD5	2.9	2.6	4.1	2.6	2.9	2.5	2.1	2.4	2.8	3.3	1.8	2.4	2.3	3.4	5.7	3.8	1.8	3.1	3.1	3.4	3.5	3.1
ABHD8	2.5	2.8	3.1	2.9	3.3	2.1	2.0	2.2	2.6	3.4	2.6	2.1	2.2	1.9	2.2	2.2	1.6	1.7	2.8	1.8	2.2	3.3
ABI1	4.6	7.2	6.2	5.0	5.4	4.6	3.2	6.8	5.8	6.2	3.5	4.5	5.6	6.6	10.3	6.6	4.3	7.5	6.3	6.6	6.1	5.4
ABI2	8.3	10.1	7.2	8.2	9.8	8.2	6.3	8.0	6.6	8.0	5.6	6.7	7.6	7.7	7.5	10.8	7.1	8.4	11.2	7.7	7.6	8.2
ABI3BP	9.4	32.9	14.1	7.5	3.8	5.0	6.1	23.6	7.5	8.9	15.2	6.6	2.3	8.1	27.5	28.2	4.9	15.7	15.5	8.9	6.6	10.2
ABL1	8.6	11.1	11.9	8.3	7.0	6.3	8.1	12.9	8.8	8.1	7.6	8.4	6.2	7.0	16.7	14.6	7.3	9.6	12.3	8.7	11.2	8.2
ABLIM1	106.4	128.9	121.8	138.9	128.4	118.2	103.2	97.4	151.2	121.6	63.5	97.1	101.7	100.3	104.8	127.1	144.5	148.4	159.1	86.0	112.4	157.0
ABLIM2	2.3	2.9	1.5	1.8	1.5	2.9	2.8	2.9	1.7	2.2	3.4	2.0	1.5	2.0	2.6	2.7	2.8	1.7	3.1	0.8	0.6	1.7
ABLIM3	24.1	40.9	29.5	31.0	24.1	20.0	27.1	23.9	35.7	25.7	26.6	43.4	28.0	23.9	34.6	40.6	37.7	39.3	54.9	44.8	50.0	26.4
ABR	28.1	23.4	24.3	29.1	30.0	28.4	17.9	24.3	30.0	24.9	22.5	23.2	19.5	22.0	23.0	26.3	25.4	18.8	30.1	19.6	26.5	27.2
ABRA	8.3	4.1	6.5	3.5	8.2	2.5	4.1	21.7	19.8	12.0	1.8	24.3	12.4	14.8	84.0	18.7	56.0	61.0	27.0	18.9	11.4	8.9
ABT1	2.9	4.3	3.8	3.7	2.7	3.5	3.0	2.8	4.6	4.0	3.4	4.1	3.7	3.5	3.7	3.5	3.6	3.4	4.2	3.5	4.4	3.6
ABTB1	10.3	11.9	11.4	9.6	10.0	10.0	10.5	10.5	10.6	10.0	10.2	12.9	9.6	10.0	18.7	10.6	10.8	10.9	8.8	7.7	17.1	9.3
ABTB2	4.3	9.5	4.0	3.2	2.8	5.9	7.0	6.2	5.5	5.7	5.3	2.9	3.5	6.4	4.0	8.0	5.3	10.2	7.9	9.1	3.2	3.7
ACAA1	32.6	33.5	32.5	31.2	32.0	32.4	28.3	19.7	34.9	35.2	22.8	42.4	29.0	34.5	21.7	32.1	33.4	32.0	30.5	26.7	27.1	29.3
ACAA2	68.9	62.2	83.2	66.4	76.4	60.0	55.0	42.2	84.3	63.5	37.2	59.3	48.2	62.1	39.4	55.7	85.0	80.6	73.2	62.8	79.0	76.2
ACACA	2.1	3.0	3.2	2.1	2.1	2.6	1.3	1.5	1.6	2.2	1.6	1.6	1.3	1.8	2.5	2.3	1.6	2.3	2.7	1.7	1.7	2.2
ACACB	16.7	15.8	37.1	14.4	15.4	19.6	20.0	12.1	19.8	13.9	9.3	12.1	9.4	9.1	30.2	19.5	22.4	17.4	22.2	13.2	24.6	24.1
ACAD10	7.5	8.1	7.9	7.7	6.0	9.1	6.4	6.3	6.9	7.8	6.2	6.8	6.4	6.6	4.4	8.4	6.9	6.6	6.6	5.6	6.2	7.5
ACAD11	8.4	12.1	10.6	9.2	9.0	9.2	8.1	8.1	6.2	9.0	5.0	7.9	6.2	8.7	8.0	11.0	6.0	8.1	7.1	8.4	7.8	6.5
ACAD8	10.3	13.3	13.0	10.6	12.2	9.3	9.1	10.0	12.5	14.0	10.0	12.5	10.0	12.8	8.3	14.7	11.9	13.4	11.0	12.4	12.8	8.7
ACAD9	8.2	10.0	11.4	11.1	10.8	11.9	9.5	9.5	11.8	12.6	7.0	13.6	9.8	10.0	10.1	9.6	11.5	11.0	10.5	8.6	11.9	12.6
ACADM	54.6	77.9	57.8	65.6	89.5	70.9	48.3	67.4	69.0	78.0	55.0	75.3	72.3	80.3	34.5	72.9	69.4	84.8	87.3	68.0	89.5	84.2
ACADS	22.6	18.5	24.6	22.2	18.6	22.9	18.8	13.7	24.1	23.4	15.9	25.2	17.7	24.1	12.3	21.4	23.0	24.0	21.7	21.8	16.8	23.4
ACADSB	5.6	11.0	5.9	8.4	6.9	8.0	6.6	5.1	7.5	6.6	3.8	4.6	5.6	5.9	4.0	8.6	6.3	9.2	7.0	6.6	6.4	9.8
ACADVL	240.0	194.5	223.2	221.5	190.9	216.5	242.2	166.5	236.0	228.7	175.4	181.6	222.2	228.8	145.3	249.0	329.1	280.6	248.5	225.0	228.8	265.5
ACAP2	2.0	3.5	2.3	1.6	1.5	1.4	1.3	1.7	1.4	1.4	1.0	1.5	1.7	1.6	3.9	2.6	1.8	1.8	2.9	1.5	1.8	2.6
ACAP3	12.0	9.9	12.4	9.9	7.2	7.4	6.8	11.1	10.3	12.6	12.2	11.1	12.5	8.9	12.1	11.6	10.8	8.5	13.6	8.6	7.3	7.1
ACAT1	99.6	79.5	90.6	117.1	114.2	108.4	87.8	91.2	143.1	148.7	71.9	139.6	109.4	100.0	58.3	93.2	124.8	103.4	111.3	93.5	126.1	131.1
ACAT2	1.2	3.2	3.1	2.2	1.3	1.9	2.5	1.3	1.9	2.1	3.6	3.0	1.7	3.2	3.8	3.1	2.2	2.0	2.2	1.6	1.2	1.3
ACBD3	7.0	7.1	6.0	4.8	6.5	6.0	4.0	6.8	7.7	7.4	4.9	5.1	4.1	6.6	8.6	7.6	4.1	6.3	6.9	5.8	5.2	7.7
ACBD4	3.4	4.2	4.1	3.5	3.0	3.5	3.9	3.2	2.8	3.3	2.5	4.0	2.7	2.3	3.6	2.8	2.6	2.0	2.7	2.1	3.4	3.0
ACBD5	8.7	10.3	9.1	9.8	12.8	10.1	5.3	9.2	9.3	11.5	5.9	6.0	8.0	10.0	6.8	9.9	8.3	8.7	10.7	7.5	9.2	11.8
ACBD6	5.7	6.9	5.2	5.5	6.9	4.8	4.8	5.4	4.8	6.9	4.7	5.9	5.8	7.1	8.1	5.6	6.3	3.5	5.0	5.8	6.3	6.5
ACCN3	1.2	1.4	1.3	1.8	1.6	1.6	3.0	2.1	1.6	1.9	1.5	2.1	3.2	1.5	1.5	2.2	2.1	2.1	2.3	1.2	2.1	2.2
ACCS	1.8	3.1	2.5	2.0	0.9	1.5	2.2	3.0	1.3	2.6	1.4	1.9	2.0	1.9	4.9	2.0	1.7	1.2	2.0	0.9	1.3	1.4
ACD	2.9	2.9	2.7	2.1	2.7	2.3	2.8	2.3	2.2	2.2	2.9	4.0	2.3	2.2	4.0	3.7	3.7	2.3	2.5	2.2	3.1	2.3
ACE	2.6	4.8	3.2	3.9	2.7	2.9	0.6	4.8	1.4	4.5	4.0	3.1	4.4	4.3	2.7	2.0	3.0	1.6	2.7	1.4	1.5	6.0
ACE2	5.6	9.6	6.1	4.6	9.5	9.0	2.4	6.1	4.5	5.2	7.2	4.4	4.7	9.9	6.1	8.4	3.2	5.9	6.1	7.7	6.9	4.1
ACIN1	14.0	16.1	15.3	12.5	13.7	12.7	13.0	15.2	15.0	16.2	13.2	14.2	15.1	14.1	24.7	18.5	14.4	15.7	17.7	14.2	17.0	12.6
ACLY	6.4	9.3	10.9	6.4	6.1	6.0	3.3	7.8	5.8	6.5	5.9	4.9	6.5	8.1	11.7	9.6	4.2	7.7	6.9	8.0	7.7	6.0
ACN9	3.2	3.8	2.6	3.0	2.4	3.4	2.7	2.5	2.5	3.6	2.4	3.4	2.6	3.2	2.4	3.4	4.0	2.8	2.7	2.0	2.9	3.0
ACO1	17.6	19.0	23.8	17.5	15.1	19.6	10.9	13.2	14.8	15.4	11.8	14.8	11.4	13.2	12.4	17.4	13.6	14.9	14.8	13.7	12.4	18.9
ACO2	253.0	223.2	264.9	256.1	270.6	286.1	193.3	221.9	281.6	285.3	159.3	232.0	214.1	249.7	129.7	266.9	239.2	267.7	277.4	236.8	240.1	261.0
ACOT1	6.7	3.9	6.8	5.0	9.3	8.3	8.6	0.0	9.5	9.7	2.9	5.8	9.2	9.5	5.0	7.5	9.4	4.1	6.3	3.8	9.4	9.3
ACOT11	8.7	12.2	5.5	12.7	9.4	15.5	9.8	14.3	14.4	16.1	9.9	11.3	9.4	10.2	4.7	7.2	5.5	10.5	8.5	7.3	8.4	13.4
ACOT13	6.7	4.8	5.4	6.1	6.0	5.9	4.6	3.5	6.4	6.6	3.8	5.5	6.2	6.6	4.5	5.8	6.3	5.5	5.3	4.3	5.7	7.1
ACOT2	28.7	30.5	26.9	32.7	24.3	25.1	26.0	26.1	32.8	31.2	11.7	33.8	24.4	30.0	14.1	22.8	32.1	30.1	19.7	36.8	25.0	28.6
ACOT7	3.1	4.4	3.6	2.8	2.8	2.2	2.7	3.4	3.0	2.3	3.5	2.0	2.2	3.7	4.5	2.9	2.2	2.7	3.0	4.7	2.8	2.2
ACOT8	8.4	6.8	9.7	7.9	8.0	8.3	5.7	6.6	10.4	9.2	6.9	8.7	7.2	7.7	6.2	7.2	7.8	6.3	8.7	6.4	6.7	6.0
ACOT9	19.8	19.9	20.3	20.9	22.7	26.1	15.1	18.4	22.0	24.9	17.6	17.9	21.7	24.0	17.3	25.0	18.3	21.4	22.2	29.4	27.6	24.9
ACOX1	5.7	6.4	5.6	6.0	6.6	6.2	3.7	4.3	6.6	6.9	3.2	3.5	4.5	5.4	4.6	7.2	6.1	6.0	6.4	4.3	6.3	7.5
ACOX2	5.7	8.2	8.0	7.6	9.1	7.1	6.0	7.8	9.3	9.2	7.4	9.0	6.7	9.3	5.6	8.4	5.8	5.9	9.5	6.3	8.2	8.0
ACOX3	3.4	3.3	2.6	3.0	2.8	3.0	2.3	3.6	3.2	3.1	2.4	3.7	3.5	4.5	3.7	3.8	4.6	3.2	3.7	3.2	2.4	3.2
ACP1	15.3	20.0	20.5	16.9	19.9	17.1	14.0	14.8	22.3	19.5	14.6	18.9	15.7	21.1	17.3	19.4	16.8	19.6	19.3	17.9	19.8	18.6
ACP2	7.1	7.4	7.8	6.5	6.3	6.4	5.7	4.9	7.3	6.4	5.5	6.0	7.0	6.1	6.9	5.2	6.2	6.1	7.6	4.9	5.4	6.8
ACP5	2.1	2.6	3.3	0.6	0.7	0.4	0.2	0.7	0.3	0.8	0.5	0.1	0.3	1.1	8.1	0.4	0.4	0.8	1.3	0.6	0.3	1.2
ACP6	2.4	4.2	2.2	2.4	2.7	4.5	3.9	2.1	1.2	3.8	1.8	3.8	1.2	2.0	1.7	2.6	1.9	2.4	1.7	1.3	2.6	3.6
ACPL2	2.4	2.5	3.2	2.9	3.1	2.7	2.1	3.4	3.6	5.0	3.0	3.2	7.9	6.0	3.7	5.0	5.0	7.0	9.2	11.5	4.5	3.0
ACSF2	3.2	6.1	9.9	4.4	2.4	3.9	3.1	1.7	4.6	2.5	2.1	4.7	3.5	2.7	3.5	3.4	3.6	3.7	2.5	2.5	2.4	4.2
ACSF3	2.9	3.5	3.0	2.0	3.5	2.9	2.7	2.6	3.7	2.3	2.1	3.5	2.6	3.7	4.8	2.7	3.9	3.0	3.8	3.0	3.5	2.4
ACSL1	65.6	52.1	131.4	58.1	80.4	76.6	35.8	51.1	79.6	58.5	31.2	35.4	33.5	58.1	70.0	68.0	101.4	78.6	69.8	60.0	87.5	83.1
ACSL3	8.9	9.1	7.5	7.7	7.7	6.0	4.9	7.6	8.1	7.3	3.5	6.2	6.2	6.4	7.3	8.5	8.6	8.3	9.4	5.6	7.7	9.0
ACSL4	7.7	12.0	10.2	9.2	9.1	9.1	6.6	9.3	7.9	10.3	5.6	7.0	9.3	11.0	9.7	11.8	7.6	16.2	12.0	13.8	12.4	10.3
ACSL5	2.7	3.0	6.7	2.4	2.8	2.4	1.6	2.5	3.3	2.7	2.0	3.2	3.6	3.3	8.0	3.1	2.8	3.4	3.8	2.7	5.8	2.6
ACSM3	0.4	2.0	1.7	1.6	1.4	1.1	2.0	0.7	3.6	0.6	1.0	3.0	1.3	1.7	1.2	1.1	0.4	1.9	1.0	1.4	2.8	1.2
ACSM5	0.2	0.7	1.1	0.2	2.9	0.1	0.2	0.0	0.3	0.1	0.0	0.3	0.1	2.7	2.0	0.3	0.1	0.3	0.3	0.1	4.6	0.4
ACSS1	20.2	14.4	16.2	24.3	22.4	19.7	18.0	22.1	26.4	35.6	12.2	24.5	19.2	19.6	10.5	17.6	23.6	21.6	20.7	14.2	37.3	22.5
ACSS2	21.9	19.6	28.3	21.8	25.7	22.6	15.2	18.5	29.3	23.6	13.2	24.7	21.0	23.3	13.5	15.9	22.1	19.5	22.0	18.9	20.9	24.8
ACSS3	3.8	5.0	4.7	4.1	3.6	4.7	3.2	4.2	5.8	5.2	2.4	2.9	3.3	3.7	6.8	4.9	3.9	6.9	6.8	4.7	7.2	5.7
ACTA1	2866.6	1181.8	2481.4	2291.7	3141.4	1462.3	777.8	2575.0	4021.5	4325.0	2496.8	4472.5	7107.1	5882.8	1501.1	2976.4	1058.6	4818.9	3565.8	10008.7	7217.8	1226.6
ACTA2	57.2	269.0	164.2	74.7	55.9	57.3	189.1	148.7	42.2	46.0	119.1	73.8	42.5	65.4	241.8	145.8	41.5	50.3	44.5	57.1	130.6	65.0
ACTB	221.0	300.0	342.3	195.6	169.7	176.2	286.9	549.8	159.2	189.0	272.7	380.8	191.6	267.4	750.2	344.9	195.6	192.2	290.2	267.6	293.4	220.0
ACTC1	1600.4	1687.2	1202.5	1817.9	1118.2	1495.3	1129.5	1317.2	1857.2	1670.6	1325.3	2364.2	2196.3	2026.6	1085.9	2115.4	1660.1	1928.6	1640.0	2413.2	1636.5	1472.5
ACTG1	113.6	184.8	190.0	98.2	94.2	85.6	118.1	210.7	76.7	80.8	136.0	206.2	75.8	118.3	452.4	230.2	98.4	109.6	154.1	125.9	157.8	86.6
ACTG2	1.8	5.4	4.3	1.4	0.5	0.4	4.1	3.3	0.7	0.8	5.5	1.2	0.6	0.9	9.5	5.2	1.0	0.2	1.0	0.9	4.4	0.8
ACTL6A	6.1	7.3	6.0	6.2	5.8	7.2	5.0	7.6	4.4	6.6	5.7	7.0	5.3	6.9	7.1	7.8	4.7	5.1	7.3	5.4	5.3	5.6
ACTN1	23.0	36.2	27.8	26.4	21.1	28.5	18.7	37.3	17.0	24.0	34.6	21.7	24.7	51.2	39.9	42.6	15.2	22.3	26.2	41.9	23.0	17.4
ACTN2	653.5	370.3	530.8	606.8	697.0	618.9	313.4	544.4	819.2	784.0	371.4	600.0	699.5	631.2	385.8	588.0	469.5	794.8	734.7	780.9	776.5	658.8
ACTN4	30.0	47.6	43.6	29.3	27.5	25.7	21.8	43.8	24.6	26.2	23.5	23.3	37.3	35.1	57.8	40.6	29.9	26.4	33.8	27.9	32.6	24.5
ACTR10	12.8	14.3	12.7	12.0	12.8	12.6	9.7	11.7	11.0	12.6	9.9	14.4	11.5	13.9	11.4	14.3	13.8	12.0	12.6	11.7	12.9	12.0
ACTR1A	28.9	29.3	29.0	25.8	28.7	28.9	24.5	26.5	33.4	29.2	23.1	27.7	26.1	30.6	29.1	30.4	26.2	28.4	32.6	28.3	32.6	25.3
ACTR1B	18.3	18.8	17.9	17.5	15.4	17.8	13.7	15.0	21.3	23.7	14.5	18.8	20.0	19.6	19.3	21.4	19.9	19.9	21.7	21.7	19.3	17.4
ACTR2	20.2	24.9	22.3	19.5	18.5	17.7	10.6	18.9	14.5	18.6	11.6	14.2	17.1	21.6	33.0	26.4	16.9	22.9	26.1	23.1	22.2	23.1
ACTR3	19.0	25.4	22.5	21.8	20.4	17.5	12.3	23.1	19.7	20.9	17.0	18.8	18.7	27.3	34.4	28.8	15.7	21.8	23.9	26.8	23.9	18.5
ACTR6	4.0	5.6	5.6	5.4	6.1	4.9	3.6	5.8	5.6	5.0	4.4	5.0	4.4	5.1	6.3	6.5	3.9	4.5	6.0	4.8	5.8	5.4
ACTR8	4.1	5.2	4.8	5.2	4.7	4.8	2.7	3.7	4.9	3.8	2.5	4.2	3.6	5.2	3.8	5.3	2.8	4.6	5.0	4.5	3.6	5.2
ACVR1	4.9	10.1	7.4	6.5	5.3	7.0	5.6	7.8	4.3	5.4	6.2	4.4	4.4	6.8	7.0	6.7	3.8	5.5	7.0	5.9	5.6	5.8
ACVR1B	2.7	3.2	3.8	2.4	2.9	2.4	2.3	3.6	3.2	3.1	2.6	2.6	2.8	2.9	4.8	4.2	2.7	2.5	3.7	3.0	4.6	2.6
ACVRL1	5.0	4.7	7.0	3.6	5.1	4.2	2.4	3.5	6.5	4.2	3.4	3.9	3.8	4.8	9.7	5.7	5.0	6.0	6.5	7.3	5.2	3.8
ACY1	2.7	4.7	4.6	3.2	3.0	2.1	2.8	2.8	3.1	4.4	5.0	4.6	3.4	5.4	2.1	5.6	2.9	3.5	2.9	4.1	2.8	3.2
ACYP1	3.5	4.3	3.3	3.0	3.4	4.8	3.4	4.4	5.0	2.8	2.7	3.5	3.0	3.1	4.4	4.9	4.5	3.2	2.7	2.6	3.8	3.2
ACYP2	10.8	14.3	13.2	15.3	11.6	13.2	13.2	9.9	14.1	15.4	10.1	15.9	15.1	17.6	9.7	13.0	13.4	15.3	17.0	14.4	18.3	14.3
ADA	3.6	4.0	3.6	3.5	1.4	2.2	3.4	3.5	2.6	2.4	1.8	3.5	2.5	2.2	5.1	2.4	2.8	1.9	2.1	1.8	1.9	2.8
ADAL	4.4	5.3	3.3	4.3	4.3	4.4	3.3	3.6	5.7	4.1	2.2	2.8	3.2	3.8	2.5	4.6	5.2	3.7	4.4	2.8	4.2	4.8
ADAM10	7.2	11.3	7.2	6.0	6.9	8.5	4.2	7.8	6.4	5.7	4.5	4.9	5.7	6.8	11.3	8.7	5.3	7.8	8.6	6.2	9.4	8.0
ADAM11	2.0	1.0	1.5	2.6	1.2	0.7	1.2	0.4	2.7	3.6	0.3	2.5	3.2	3.1	0.6	0.4	3.2	1.5	1.8	1.1	1.7	3.7
ADAM15	19.4	19.4	22.0	17.5	11.6	12.3	11.8	14.1	19.1	15.6	13.7	15.3	19.8	17.2	37.2	20.9	17.1	17.7	22.9	21.2	16.7	13.7
ADAM17	3.5	5.3	3.3	3.1	3.0	2.4	2.3	4.1	3.2	3.7	2.7	2.4	2.9	4.5	7.2	5.7	3.4	4.7	5.2	3.8	4.3	3.5
ADAM19	2.5	5.0	2.3	3.1	3.3	2.8	1.1	3.6	2.2	3.6	2.1	1.5	4.7	7.5	3.6	2.9	1.5	1.5	3.4	4.5	1.9	3.1
ADAM23	20.2	17.5	18.2	20.6	17.6	19.1	12.6	17.1	23.0	15.0	11.7	11.6	15.7	19.7	11.7	24.2	24.3	16.4	27.8	17.0	15.8	24.7
ADAM33	5.3	7.5	9.4	5.1	3.2	3.7	4.6	5.6	3.6	4.1	4.0	8.0	4.9	5.0	8.6	5.9	5.7	3.6	4.5	2.3	2.7	4.7
ADAM9	21.0	20.6	25.4	18.4	23.0	17.6	12.3	18.5	19.4	19.0	12.9	15.1	16.8	20.6	16.8	19.9	18.2	22.7	28.5	17.7	23.0	21.3
ADAMTS1	22.7	41.4	17.0	19.1	7.4	9.5	34.3	93.1	11.9	22.2	13.4	89.9	7.6	23.7	235.4	55.0	6.6	17.0	33.4	37.1	37.1	22.3
ADAMTS10	2.2	4.3	3.4	1.3	1.6	1.9	1.3	2.5	1.3	2.2	3.2	1.5	2.0	2.1	4.3	2.3	1.5	1.9	1.9	2.0	1.6	1.5
ADAMTS15	1.4	2.3	3.0	3.8	1.1	2.4	2.7	1.7	3.2	2.9	2.9	1.8	3.5	3.9	3.5	3.8	7.0	1.6	4.7	2.0	2.8	3.0
ADAMTS2	1.0	3.0	5.6	0.9	0.7	1.0	0.8	2.9	0.5	0.9	2.0	0.8	0.5	2.3	4.0	2.0	0.5	0.9	3.6	1.8	0.7	0.7
ADAMTS4	2.7	3.4	2.1	0.9	0.8	0.6	6.2	19.6	0.6	1.3	1.0	18.7	0.8	3.5	36.3	11.7	0.7	1.5	1.7	5.8	6.0	1.8
ADAMTS7	2.9	7.7	3.3	3.0	2.2	4.2	2.3	3.1	2.0	2.4	4.6	3.6	3.4	2.9	1.8	1.7	4.1	1.6	4.8	1.7	1.7	4.9
ADAMTS9	1.8	2.8	2.0	1.4	1.6	1.1	2.3	2.8	0.6	1.3	1.2	1.4	2.2	4.4	6.7	4.3	1.8	1.8	2.2	3.2	1.8	2.0
ADAMTSL2	1.7	6.4	4.6	2.2	1.7	1.8	1.7	3.3	1.1	1.3	5.2	4.1	1.5	3.9	3.1	4.9	1.1	1.4	4.6	2.0	1.1	1.4
ADAMTSL3	2.9	6.6	3.0	2.8	2.2	1.9	2.0	2.7	2.2	2.1	1.4	1.3	1.7	2.4	1.2	3.5	2.1	2.4	2.2	1.6	2.1	3.2
ADAMTSL4	10.9	7.3	18.7	9.5	10.7	3.8	4.9	5.8	9.3	8.1	4.9	8.7	7.5	6.5	8.3	7.5	5.0	8.4	13.5	5.1	5.8	6.4
ADAMTSL5	6.3	4.2	6.5	6.3	7.9	7.4	4.7	6.1	8.7	9.8	3.7	5.5	10.9	8.3	4.0	7.1	4.8	10.0	11.9	10.5	9.7	4.6

ADAR	13.1	11.6	9.5	10.5	13.3	12.8	10.3	13.5	20.3	13.2	13.7	11.5	24.0	12.0	17.5	14.2	12.7	13.6	14.0	21.1	15.1	11.9	13.6	18.9	7.9	13.1	11.7	11.5	10.0	9.1	11.7	13.5	20.9	15.8	10.8	13.5	16.0	11.9	13.5	17.9
ADARB1	2.9	4.1	2.0	3.0	3.8	3.2	2.5	2.8	3.8	3.5	3.2	3.0	2.8	3.6	6.8	3.2	3.3	2.9	2.7	5.2	3.5	1.9	2.3	2.5	2.6	4.0	2.1	2.5	2.6	2.1	3.7	3.4	4.3	2.9	2.1	2.4	3.0	2.7	3.2	3.2
ADCK1	2.5	3.2	2.3	2.4	3.1	2.8	2.3	3.0	2.6	2.1	1.8	2.3	2.4	2.6	2.6	2.6	1.7	2.6	2.1	1.7	2.3	2.1	1.9	3.9	2.8	2.0	2.2	4.2	2.7	3.4	3.3	3.0	2.3	3.1	2.6	2.3	3.4	1.9	2.6	3.3
ADCK2	1.9	2.2	2.2	2.5	3.4	1.7	2.9	1.8	2.5	1.9	2.9	2.2	1.5	2.9	3.8	1.8	2.5	2.6	2.2	2.5	2.5	2.4	2.4	2.0	1.4	1.4	1.5	2.1	1.6	2.5	1.7	2.0	3.2	2.9	1.8	1.7	2.9	1.6	2.1	2.4
ADCK3	58.8	62.4	60.0	114.2	89.3	75.3	88.0	83.9	62.0	46.3	63.5	60.1	75.5	50.9	40.4	76.4	45.3	56.8	54.3	45.1	52.3	51.4	42.2	53.1	58.7	44.0	76.7	54.2	54.7	68.8	41.7	47.4	38.9	67.4	63.0	52.8	74.4	39.9	100.1	62.5
ADCK4	4.8	5.0	3.1	6.3	4.8	7.4	5.1	3.6	6.4	4.2	7.2	4.9	5.9	5.7	5.6	5.4	4.5	4.6	3.8	6.5	5.5	3.6	3.7	5.4	6.1	4.3	5.9	4.9	5.3	5.0	4.7	6.4	5.1	4.9	6.3	4.4	5.7	4.5	6.0	5.8
ADCY3	2.7	3.3	4.3	6.6	4.0	3.4	4.4	3.8	4.0	2.7	3.9	2.9	5.4	4.2	8.4	3.6	3.5	3.1	3.6	5.1	5.9	3.5	3.3	2.2	3.0	4.3	2.6	4.1	5.2	3.2	3.7	4.4	11.4	5.1	3.6	4.8	5.3	4.8	5.1	2.8
ADCY4	6.8	8.5	4.8	7.0	9.0	8.1	6.2	7.0	9.2	8.7	6.1	9.5	7.6	4.6	10.6	8.6	10.5	8.7	11.9	7.6	9.3	6.2	10.2	10.6	4.7	6.3	6.2	7.8	5.9	7.6	13.6	11.9	19.8	7.8	7.9	5.7	8.5	5.9	9.5	9.7
ADCY5	27.5	55.6	22.2	27.2	59.7	43.1	31.9	47.0	39.4	30.6	47.8	34.9	38.6	40.5	35.3	36.6	23.7	36.1	27.3	49.5	26.7	37.6	32.9	47.4	28.5	36.1	36.6	27.4	27.8	35.1	30.2	26.1	14.1	32.2	40.3	19.9	38.4	14.7	26.9	34.6
ADCY6	24.3	29.6	26.1	21.0	23.8	24.2	17.8	26.6	35.8	35.6	39.5	46.6	26.6	38.4	25.1	31.3	28.6	34.5	41.6	29.3	36.0	28.8	35.3	40.4	17.3	29.5	29.6	36.7	19.8	21.4	31.0	28.5	19.1	32.1	38.0	25.4	36.2	29.8	28.4	30.9
ADCY7	1.3	0.9	0.7	0.7	1.8	1.3	0.7	1.5	2.6	1.3	1.2	0.7	2.4	0.8	3.4	1.4	1.8	1.7	1.6	4.5	2.4	1.4	0.7	1.1	0.5	1.9	0.7	1.5	0.9	0.8	0.4	1.2	4.1	1.6	0.4	2.2	2.1	1.0	1.0	2.0
ADCY9	8.5	9.6	7.6	7.6	8.4	7.0	7.5	9.3	8.5	6.5	8.3	5.5	7.5	9.4	8.5	9.0	8.9	7.1	6.9	7.9	7.1	8.6	8.1	7.3	4.9	6.8	9.0	8.9	5.4	4.7	6.1	7.0	6.4	7.8	6.0	6.1	8.2	6.1	7.8	8.8
ADD1	41.8	45.3	38.0	46.3	48.1	42.0	41.1	47.2	48.9	36.0	39.4	34.5	47.9	48.0	62.8	45.3	40.6	38.5	40.3	43.5	47.2	42.0	39.3	39.1	32.4	42.0	50.7	40.5	36.0	43.1	35.4	41.8	53.9	46.6	37.7	48.8	50.9	41.7	50.1	43.0
ADD3	24.8	18.9	12.6	11.9	21.8	19.9	17.6	23.9	21.9	15.7	21.9	13.2	18.9	17.6	18.4	18.2	17.3	22.6	20.6	30.8	23.0	22.7	22.3	19.0	13.7	20.6	16.8	19.6	14.2	13.0	12.9	15.6	23.5	20.0	18.3	18.6	22.9	13.9	18.5	26.5
ADH1B	21.7	28.1	12.1	17.2	44.2	40.5	53.7	23.4	8.8	7.9	11.2	6.0	30.6	34.6	54.2	22.7	17.4	11.9	14.3	31.7	71.9	12.6	9.5	16.4	10.6	33.3	22.7	16.1	18.0	16.9	3.9	5.4	134.9	7.3	17.4	15.8	9.2	17.7	26.5	23.8
ADH1C	2.7	3.4	0.8	1.8	1.1	5.2	3.5	1.7	1.7	1.0	1.8	1.1	6.8	5.3	4.3	6.3	1.1	1.5	1.7	0.9	4.1	1.1	2.1	0.5	1.2	2.2	1.4	1.0	2.7	2.0	0.3	1.4	4.0	0.7	0.8	1.0	0.4	0.7	0.8	1.6
ADH5	27.1	28.1	28.9	23.0	30.9	33.4	26.0	22.8	27.6	23.7	38.9	26.9	32.6	28.4	33.4	30.7	24.8	34.7	27.4	30.7	35.7	34.3	34.2	28.2	20.8	24.0	38.4	36.9	19.5	36.8	31.9	35.6	27.5	28.5	29.9	27.9	33.2	28.4	30.8	35.1
ADHFE1	12.1	26.1	23.7	13.0	13.1	24.7	15.9	23.9	23.1	15.1	25.2	18.8	15.7	17.9	16.3	20.4	22.9	21.7	15.8	18.4	20.0	21.6	23.6	25.6	17.3	13.2	22.8	22.6	8.1	18.9	19.0	17.4	12.6	14.5	10.0	20.6	20.6	17.4	20.0	25.3
ADI1	73.4	73.4	68.9	89.3	96.6	86.0	74.4	76.4	72.6	65.4	98.4	68.4	75.5	91.0	75.0	92.0	65.2	93.7	49.6	70.1	59.2	82.9	60.9	65.4	64.7	56.3	97.6	81.1	50.1	91.1	73.2	73.7	45.9	78.3	41.1	80.9	77.6	78.5	73.7	67.0
ADIPOQ	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.1	1.7	0.8	1.7	0.1	1.8	2.5	1.8	0.2	8.5	0.0	1.7	0.0	45.2	1.3	1.7	0.1	0.0	0.0	0.4	0.2	0.0	0.6	0.0	0.1	14.2	0.0	0.0	0.2	0.4	3.5	1.6	0.2
ADIPOR1	28.6	32.2	29.4	29.6	34.1	29.0	24.7	34.8	33.9	36.8	29.7	38.5	37.1	40.8	32.1	34.1	42.1	34.6	35.2	30.3	34.3	33.0	39.7	37.7	23.0	31.8	39.5	35.4	21.9	28.3	23.0	31.8	36.6	34.0	27.5	29.4	37.6	32.8	36.2	32.3
ADIPOR2	10.7	12.0	12.7	13.7	12.3	12.3	11.0	11.7	14.1	11.6	12.9	11.6	13.0	13.4	12.3	15.0	13.6	13.1	12.7	13.2	18.5	13.1	13.6	11.9	14.0	15.1	15.5	12.1	10.4	15.6	11.5	13.0	24.4	17.3	16.8	18.1	17.7	16.1	19.0	12.0
ADK	6.4	6.2	7.9	6.3	7.1	8.0	9.0	8.8	8.2	6.0	9.4	7.9	7.6	8.9	8.0	9.2	5.4	6.5	6.0	9.1	8.2	8.0	6.3	7.8	6.6	7.0	10.5	4.9	5.4	9.0	6.6	7.5	6.2	6.0	8.1	6.8	8.0	4.8	5.2	9.8
ADM	1.6	3.6	3.6	3.7	9.8	3.3	5.2	1.6	3.2	2.5	4.7	5.2	6.7	6.0	8.8	13.2	6.5	1.9	4.2	2.1	8.1	10.9	4.8	3.2	7.5	22.3	20.1	7.1	1.8	16.6	12.9	7.0	21.0	4.3	7.2	43.0	11.0	15.0	30.1	5.8
ADNP	8.2	8.4	9.1	8.6	8.3	8.5	7.0	9.1	11.5	7.7	8.9	7.7	9.0	11.5	7.5	8.1	9.0	9.5	8.8	12.1	9.0	9.3	9.3	9.4	8.3	8.2	8.6	9.0	7.1	6.6	7.6	8.4	11.8	12.6	9.0	11.7	12.5	8.8	9.3	11.1
ADNP2	1.9	2.5	2.3	2.2	3.1	2.0	2.0	2.3	3.1	2.6	2.6	2.5	2.3	3.1	2.3	3.0	2.6	2.3	2.1	3.7	2.4	2.6	3.1	2.6	2.4	2.8	3.0	2.1	1.6	1.9	2.6	2.8	3.9	3.2	2.2	3.1	2.8	2.4	2.5	3.2
ADO	4.2	6.9	5.1	4.7	5.1	4.9	4.7	6.3	6.1	4.4	4.9	5.0	4.8	7.2	5.0	4.1	4.7	5.5	4.2	5.7	5.7	4.7	4.9	6.7	6.8	4.2	7.0	6.9	4.1	4.7	7.2	4.6	9.9	4.7	6.9	7.5	6.7	8.0	5.5	
ADORA1	2.6	2.6	1.5	1.8	2.6	3.0	2.9	3.4	3.0	1.4	1.9	1.9	2.3	2.5	1.7	2.6	0.9	1.8	1.6	1.9	4.1	1.7	2.4	1.6	1.6	2.2	2.4	2.9	2.1	3.8	2.9	2.7	1.3	2.7	1.9	1.7	3.6	2.2	1.7	1.3
ADPGK	2.4	3.2	2.4	3.0	4.4	3.4	2.7	3.0	4.2	2.5	2.9	3.1	4.9	4.2	5.9	3.4	3.0	3.3	3.7	5.0	5.0	2.9	2.8	2.9	2.8	3.1	3.7	3.5	3.8	5.1	3.6	4.4	10.6	4.7	3.7	4.3	5.5	3.5	4.5	3.3
ADPRHL1	140.7	128.3	136.9	68.7	94.5	106.9	137.8	133.7	131.4	122.3	168.2	158.8	120.1	132.9	103.8	110.4	81.9	141.8	175.4	127.4	143.2	146.9	168.9	155.7	102.9	146.7	201.6	215.3	88.5	156.7	122.9	121.1	73.0	175.3	182.8	143.4	128.6	127.3	155.3	166.2
ADPRHL2	4.5	4.9	4.8	4.0	5.2	4.8	4.1	4.8	5.6	4.3	5.9	4.9	5.6	6.1	5.7	4.9	4.5	4.0	5.4	5.7	5.3	4.4	4.3	4.5	5.0	4.6	4.9	5.1	4.5	6.5	5.0	7.1	5.7	5.7	5.4	4.7	5.4	5.0	3.5	3.8
ADRA1A	2.2	4.5	2.5	6.3	3.6	2.7	2.9	5.1	6.5	2.9	5.1	2.1	3.8	1.8	3.5	2.9	3.6	4.1	3.7	2.4	2.9	2.9	4.0	3.1	2.2	3.6	2.2	3.3	1.3	2.1	1.8	2.0	4.1	3.7	2.8	3.3	1.6	2.6	4.2	
ADRB1	5.5	9.8	4.5	13.9	4.3	7.9	8.8	4.8	6.5	2.5	5.1	3.2	3.8	3.4	1.5	3.1	3.0	3.2	4.0	2.6	2.9	6.9	3.8	4.0	2.5	3.6	3.6	5.5	1.3	4.2	5.3	7.8	0.5	1.1	3.2	2.7	2.0	2.5	7.1	8.9
ADRB2	1.8	2.5	1.2	2.7	2.9	2.0	2.2	2.3	1.9	2.5	1.8	2.2	1.8	2.2	1.8	2.1	1.2	1.8	2.7	1.8	2.0	1.8	2.0	1.9	1.3	3.0	3.7	3.2	1.0	2.4	1.7	1.8	5.4	1.1	1.7	2.8	1.6	1.7	4.1	3.5
ADRBK1	10.9	12.7	9.9	11.8	15.2	14.0	12.2	13.8	14.9	11.6	12.1	12.8	14.9	15.7	17.2	13.3	13.3	12.7	12.6	15.0	14.1	12.6	11.4	11.8	10.2	11.1	14.2	12.8	10.1	10.7	10.8	11.9	25.1	16.7	11.3	12.7	16.9	13.1	13.6	12.1
ADRM1	22.6	28.0	26.7	32.4	28.1	26.0	26.5	24.0	28.9	25.5	26.9	31.2	31.7	31.5	28.9	28.5	27.8	22.8	26.7	25.7	27.6	24.5	26.2	24.4	24.4	21.7	29.3	31.1	24.9	28.5	24.8	30.1	29.6	33.8	24.8	26.4	26.1	30.4	29.5	24.9
ADSL	17.5	17.2	18.0	17.8	19.2	15.0	16.0	16.3	16.3	18.4	17.4	15.2	20.0	18.0	15.2	16.7	15.9	17.1	12.9	14.4	15.4	15.5	16.6	13.7	11.3	14.6	16.1	18.0	14.4	18.0	16.6	18.7	16.0	17.2	15.1	16.6	18.5	15.8	15.5	15.9
ADSS	1.9	2.1	2.4	1.9	3.3	2.1	1.8	1.9	2.7	2.4	1.9	2.5	2.7	2.8	4.1	3.1	1.8	2.4	1.8	4.1	2.8	1.8	2.1	1.5	2.0	2.3	1.9	2.0	2.1	2.0	2.5	3.2	7.6	2.8	1.6	2.2	2.5	2.8	2.8	2.1
ADSSL1	49.7	40.1	37.6	27.4	51.5	61.4	42.4	42.5	40.5	43.0	51.9	55.5	34.2	41.0	26.6	44.6	37.1	41.7	40.9	36.0	38.3	47.8	39.7	45.2	27.2	29.8	48.9	44.2	19.6	44.7	30.9	30.0	18.9	37.5	37.5	32.4	35.5	27.5	33.2	46.0
AEBP1	2.7	4.4	3.0	5.6	11.3	4.5	3.4	4.7	19.1	18.2	12.6	10.6	48.9	43.3	153.5	8.2	37.3	15.0	10.1	71.4	19.7	13.1	10.8	10.0	16.2	54.1	3.7	16.4	37.8	16.4	5.0	28.8	83.8	67.3	5.0	19.3	25.0	25.8	14.9	6.1
AES	221.5	201.4	205.5	206.4	233.5	210.6	236.8	252.0	208.7	195.5	213.2	179.3	191.1	229.1	205.3	198.7	202.7	192.1	190.9	207.5	189.6	220.3	181.5	204.2	180.4	179.1	241.4	240.8	166.8	215.4	212.7	215.8	172.8	210.5	216.5	216.2	234.6	202.2	196.0	200.0
AFAP1	1.6	1.0	1.2	1.2	1.8	1.2	0.8	1.1	2.5	1.7	2.2	1.1	2.4	1.8	4.4	1.5	1.7	1.5	1.6	3.1	2.5	2.2	1.6	1.3	0.8	3.2	1.1	1.7	1.9	0.8	1.1	1.9	4.9	1.8	0.9	1.4	1.7	1.4	1.1	1.5
AFAP1L1	10.5	13.4	9.2	10.4	12.8	9.9	7.6	10.3	10.7	8.9	10.0	9.6	10.4	13.4	9.4	7.9	9.6	10.9	9.1	11.7	8.9	11.3	12.7	11.6	4.9	13.3	8.8	13.2	6.9	8.5	11.9	9.9	12.7	10.4	8.2	10.0	13.6	10.8	13.2	12.4
AFF1	7.6	7.2	8.6	6.9	8.8	7.5	7.8	9.3	9.3	6.6	7.4	4.7	4.8	7.5	4.2	7.0	7.2	7.1	8.5	8.6	6.0	7.2	6.3	6.6	7.7	8.5	7.6	3.2	5.0	6.7	8.0	18.4	11.9	7.9	11.3	12.0	8.1	12.4	9.3	
AFF4	5.0	4.5	6.7	4.4	4.6	4.4	3.7	4.9	7.9	5.7	5.0	4.4	4.1	6.8	4.5	6.9	6.6	6.2	8.5	4.9	5.1	5.6	4.5	6.1	7.7	5.5	5.4	2.9	3.9	4.4	5.4	12.2	10.3	12.5	7.9	10.4	5.0	5.1	6.3	
AFG3L1P	1.8	2.5	1.8	2.1	2.8	2.9	2.0	2.2	2.7	2.3	2.3	2.3	2.9	3.2	3.8	2.4	2.4	2.5	1.9	2.8	2.7	2.1	2.2	2.2	2.5	1.9	2.3	2.5	2.4	2.4	2.7	2.8	4.2	3.1	2.8	2.8	3.5	2.5	3.0	2.1
AFG3L2	38.2	47.9	43.1	50.1	48.1	36.9	30.9	32.5	45.4	38.8	49.9	38.2	40.3	44.4	28.6	31.9	35.1	36.2	34.2	33.0	33.0	41.5	44.2	37.7	31.4	32.8	45.5	45.5	28.2	45.5	31.0	29.6	23.9	31.7	37.1	33.9	36.8	23.2	38.3	44.1
AFMID	3.0	4.5	2.2	3.1	2.1	3.2	2.5	2.1	2.2	2.0	3.1	3.0	4.6	3.0	3.9	2.9	4.0	3.1	3.5	3.3	3.2	2.7	4.7	3.2	4.2	2.0	2.6	3.6	6.9	1.8	3.5	2.7	2.8	4.3	2.0	4.0	2.9	2.5	1.9	4.2
AFTPH	2.9	2.6	2.2	2.2	2.7	2.4	2.3	2.2	2.2	2.4	2.7	2.3	4.2	3.8	3.4	2.5	2.7	2.9	3.1	4.3	2.9	2.6	2.5	2.6	2.2	3.7	2.6	2.9	1.9	2.4	2.5	2.4	6.2	3.6	2.5	3.1	3.8	2.6	3.4	3.5
AGA	2.9	1.8	2.7	1.4	1.6	1.9	1.8	2.6	1.9	1.5	1.2	1.7	2.2	2.2	3.1	1.2	1.8	1.6	1.4	4.1	1.5	1.7	1.3	1.9	1.1	2.0	1.5	2.0	1.4	2.2	2.2	1.5	1.9	1.4	1.8	2.0	1.4	1.6	1.8	1.9
AGAP1	2.8	2.6	2.7	2.6	3.7	2.5	2.5	3.7	2.8	2.4	2.6	1.7	2.0	2.9	2.7	3.2	3.2	2.4	2.3	2.8	2.2	2.2	2.3	1.8	2.0	2.7	2.4	1.5	0.9	1.7	2.2	2.4	2.3	2.7	2.3	2.7	2.7	1.4	2.3	3.0
AGAP11	2.0	2.2	1.6	1.0	2.0	2.7	2.3	1.9	3.0	1.1	1.8	2.5	1.8	1.7	4.0	2.8	1.6	1.7	2.5	2.3	3.9	2.0	2.3	1.3	1.8	2.8	1.5	1.4	1.8	1.9	2.1	1.9	5.9	1.9	2.7	1.5	2.3	1.3	2.6	2.0
AGAP2	4.5	7.9	6.0	5.8	8.3	11.5	6.0	6.6	7.8	5.5	6.1	8.0	4.4	2.9	4.5	6.5	5.2	4.3	9.3	3.7	5.1	5.6	5.6	6.2	4.9	6.5	5.9	7.5	5.1	6.6	9.5	8.7	4.6	3.2	7.1	5.9	4.6	4.5	7.3	7.1
AGAP3	9.0	8.3	7.7	9.6	10.8	8.6	9.5	10.7	11.8	8.8	9.8	8.6	10.1	14.9	14.4	9.2	9.0	9.3	8.6	10.6	9.1	8.7	7.6	8.5	9.4	10.7	9.5	12.6	9.7	10.1	8.1	11.0	13.5	11.1	7.9	8.7	11.5	7.7	8.8	8.5
AGAP4	2.4	1.1	2.0	2.3	3.2	1.3	1.3	1.5	3.3	2.2	2.2	1.1	3.7	3.3	4.3	2.0	2.0	1.9	2.7	3.2	1.9	2.1	1.8	2.9	3.1	3.3	2.8	0.6	2.5	2.9	4.1	1.9	4.8	2.3	2.1	2.3	2.0	1.4	2.7	
AGAP5	2.5	2.7	2.3	2.3	2.7	3.3	1.7	2.8	3.0	2.1	2.7	2.1	3.4	3.8	2.9	2.9	2.4	2.2	3.0	3.1	3.7	2.6	2.3	3.1	3.3	2.3	3.2	2.9	2.4	2.6	3.0	2.6	2.8	3.3	1.9	2.1	3.6	1.9	2.7	2.5
AGAP6	3.1	4.4	3.2	4.7	4.9	4.4	2.8	4.0	5.1	4.7	4.0	4.5	4.6	4.1	5.8	3.6	4.0	4.7	4.0	4.7	5.2	4.1	4.1	3.6	4.9	5.1	3.2	5.9	4.3	4.6	6.6	5.2	7.3	5.4	3.9	3.2	5.2	4.1	4.7	3.3
AGAP9	4.2	5.1	3.1	6.5	5.9	5.7	2.3	1.8	5.8	3.4	4.8	5.6	5.7	3.2	4.9	3.4	4.6	5.2	4.3	6.5	4.7	3.5	3.4	5.1	6.0	6.0	4.8	5.8	5.2	2.8	5.0	4.4	5.8	5.0	3.6	4.2	5.4	2.4	5.9	5.6
AGBL5	2.2	2.3	2.1	3.6	4.8	2.9	2.5	3.5	3.7	2.6	3.7	4.0	3.2	6.3	5.1	3.4	3.8	3.7	3.5	4.9	3.9	3.3	3.4	3.3	3.0	2.9	4.7	3.8	2.9	3.8	2.5	3.2	2.8	3.2	3.1	2.0	3.1	2.9	3.2	3.6
AGFG1	3.3	3.5	3.5	3.8	4.6	3.0	3.4	3.3	4.5	3.2	3.8	3.2	3.4	3.9	3.2	3.4	3.6	3.4	3.9	3.7	3.6	3.3	3.1	2.6	3.7	3.3	3.5	2.1	2.7	3.4	3.9	5.0	4.1	3.4	4.5	4.2	4.5	3.8	3.9	
AGFG2	1.7	2.5	1.9	1.7	2.6	2.9	1.9	2.8	2.4	2.1	2.3	2.4	2.0	3.3	2.4	2.8	1.8	2.5	1.6	2.2	1.9	2.0	1.5	2.1	1.8	1.9	2.5	1.9	2.6	1.9	1.7	4.0	2.7	1.6	2.5	3.1	1.8	2.5	2.0	
AGGF1	4.7	4.7	4.1	4.3	4.5	4.7	3.9	5.1	5.6	4.8	5.3	4.8	4.7	5.5	4.6	4.9	4.9	5.6	5.2	5.4	4.5	5.3	4.6	4.1	3.1	3.0	5.2	4.1	3.3	3.8	3.3	4.9	5.1	5.3	3.6	4.7	5.5	4.5	4.9	5.5
AGK	5.2	7.0	6.8	7.1	6.7	7.0	6.4	8.1	7.5	6.6	8.2	7.9	6.2	7.0	6.2	5.4	5.7	7.0	6.2	7.5	7.3	7.1	5.2	9.4	4.6	5.7	6.7	7.9	4.6	5.3	5.5	6.9	4.6	6.7	5.3	5.8	6.4	6.1	4.9	8.0
AGL	9.3	8.1	9.8	4.7	7.5	5.5	7.1	10.8	9.4	6.8	9.6	4.9	4.7	6.0	2.5	5.8	5.3	8.5	7.5	8.5	5.3	5.8	6.5	6.1	4.5	5.7	6.6	6.6	3.3	4.1	5.8	6.1	3.2	8.3	5.4	8.9	9.3	4.2	6.2	10.4
AGPAT1	13.1	16.0	13.5	16.4	15.1	15.3	13.2	16.9	18.6	20.9	18.7	19.5	19.8	26.5	23.2	18.9	18.8	19.6	17.9	18.5	21.6	17.1	18.4	17.5	14.2	19.3	19.1	18.6	15.9	15.2	14.3	17.3	20.9	19.6	16.2	15.0	19.8	15.4	17.6	13.8
AGPAT2	9.1	13.0	15.8	15.6	13.2	14.1	10.9	10.1	13.5	14.8	19.1	13.1	14.6	12.5	13.2	11.7	15.5	12.1	13.4	10.6	55.0	12.8	14.3	11.0	8.9	10.4	12.2	16.4	10.9	14.4	15.6	12.0	16.1	11.4	9.7	7.7	15.0	10.4	12.0	10.1
AGPAT3	12.7	12.3	12.3	12.5	12.7	10.5	9.7	13.1	11.9	11.2	12.6	9.9	12.5	10.0	8.2	14.8	8.9	10.7	10.9	8.8	13.1	11.5	12.0	9.9	7.9	8.4	12.1	11.8	7.6	8.0	8.1	10.9	7.9	11.4	12.5	9.8	13.8	8.6	12.0	12.4
AGPAT6	4.3	4.7	4.1	4.7	5.7	4.4	4.1	5.3	5.6	4.9	4.7	4.6	5.6	5.1	5.7	5.7	4.7	4.4	4.6	5.5	5.3	4.5	5.0	4.9	3.7	4.4	5.0	5.0	3.9	4.5	4.5	4.3	5.4	8.0	6.2	4.7	5.4	5.7	6.2	4.5
AGPAT9	12.2	12.7	12.3	6.6	14.1	7.5	9.2	6.0	11.7	22.6	15.8	26.1	12.7	13.0	8.5	14.2	24.7	22.8	20.0	16.7	15.3	17.5	17.2	17.6	23.0	23.1	12.3	13.4	6.3	9.0	9.7	10.5	37.9	28.3	41.7	14.4	16.3	5.0	9.9	12.2
AGPS	2.8	2.8	2.8	2.5	2.5	2.0	2.3	2.6	3.6	2.5	2.8	2.2	3.3	3.0	2.6	2.6	3.1	3.1	2.7	3.5	3.0	2.8	2.6	2.1	1.6	2.2	2.7	2.7	1.9	1.7	2.4	3.0	3.3	3.3	1.9	3.1	3.3	3.2	2.6	3.2
AGRN	2.0	2.7	1.5	2.4	4.2	4.4	1.8	2.9	6.9	3.4	4.1	3.8	6.3	5.0	8.3	2.4	3.7	3.9	4.2	4.9	4.1	2.9	3.1	4.9	3.4	4.5	3.0	4.8	4.3	3.8	4.0	3.8	5.7	5.7	3.2	2.9	4.1	2.6	2.9	3.7
AGT	33.2	27.6	22.3	36.4	43.4	48.5	28.5	26.3	30.4	22.1	30.6	28.7	37.3	26.9	62.7	28.8	32.0	33.8	40.4	45.1	38.8	40.2	24.6	24.1	27.4	30.1	21.0	23.6	42.3	43.1	25.2	31.6	23.7	36.0	26.1	25.4	22.4	22.8	16.8	20.1
AGTPBP1	8.5	6.3	7.3	6.1	8.8	9.7	9.4	7.9	5.3	4.6	8.1	5.5	6.7	5.8	4.0	6.5	4.9	6.0	4.9	7.7	5.1	7.2	5.5	5.1	5.4	4.4	5.8	4.9	3.5	5.0	4.4	5.4	5.0	6.1	6.9	5.1	6.7	4.2	4.9	7.0
AGTR1	0.8	1.1	1.5	0.7	2.0	0.6	2.9	1.6	0.6	0.7	0.5	0.7	0.9	0.2	2.7	1.0	0.6	0.8	0.8	0.7	1.8	0.7	0.7	0.7	1.9	1.4	2.1	1.3	1.2	2.6	1.8	1.5	8.0	2.1	1.2	2.5	4.8	2.4	3.3	1.0
AGTRAP	4.9	3.9	3.9	3.9	7.0	5.3	4.0	4.3	6.2	5.1	6.9	5.9	6.3	6.2	8.2	5.0	6.3	4.7	6.3	6.6	6.3	4.3	4.9	5.3	4.3	4.8	8.0	5.6	6.0	8.3	10.1	8.9	9.6	5.7	3.2	9.2	5.5	10.0	8.3	3.5
AGXT2L1	3.6	2.8	4.2	10.0	1.3	2.7	3.0	1.9	1.5	0.9	3.8	1.9	0.8	0.6	0.3	2.6	0.3	1.2	0.8	1.2	2.0	1.6	1.0	1.2	0.3	0.6	1.9	2.3	0.1	1.1	1.4	1.2	0.3	0.4	0.3	2.6	2.5	0.3	0.9	1.9
AGXT2L2	5.8	8.0	6.4	8.8	7.4	8.2	8.1	7.6	9.1	6.5	9.8	6.9	9.1	9.3	9.3	7.6	6.7	5.8	9.1	7.3	8.7	7.2	8.8	9.0	7.6	7.8	13.8	8.2	8.4	10.0	8.3	9.9	13.1	8.1	8.9	6.5	9.3	8.2	10.4	10.0
AHCTF1	4.2	3.8	3.8	4.8	4.8	4.6	3.1	4.4	4.6	2.9	3.3	2.9	2.9	4.1	3.1	3.3	3.9	3.6	3.2	5.0	3.3	3.0	2.8	3.2	4.6	4.6	4.2	3.1	2.2	3.3	3.1	3.6	7.6	6.0	3.8	5.0	6.3	4.0	4.3	4.1
AHCY	18.0	21.2	21.3	22.0	27.0	24.8	22.6	18.6	15.1	14.2	17.0	17.7	18.4	20.9	16.7	15.6	16.6	16.4	15.1	21.1	19.3	16.8	12.3	18.4	15.9	13.8	20.2	17.1	11.8	18.3	15.1	15.9	20.3	21.0	13.9	27.1	19.3	19.6	21.4	12.7
AHCYL1	13.6	14.1	14.3	13.1	15.5	14.3	9.3	16.8	16.6	15.9	15.6	12.6	13.9	19.5	16.6	15.8	17.1	14.2	12.9	19.6	16.9	13.6	13.0	15.9	11.4	16.7	15.7	14.4	10.4	11.9	12.1	14.2	23.8	18.6	12.6	14.5	16.8	12.4	15.8	15.0
AHDC1	4.4	4.8	4.7	3.5	4.7	5.7	4.0	5.5	6.0	3.3	4.0	4.5	3.5	5.9	8.0	3.6	3.5	3.3	3.6	5.2	4.2	4.3	3.1	4.7	4.4	6.0	5.8	5.6	4.5	4.3	6.8	7.1	5.5	6.4	4.9	5.6	6.9	8.4	5.9	4.9
AHNAK	68.1	81.1	63.6	66.2	73.5	55.7	48.5	67.6	77.1	46.4	64.4	41.1	58.8	60.2	76.5	48.1	75.7	63.2	50.6	91.5	73.7	72.1	58.0	50.6	39.8	58.1	74.7	54.9	40.4	38.9	51.2	45.0	98.0	89.9	58.0	87.5	90.9	62.0	89.4	72.1
AHR	3.7	3.2	3.0	2.6	2.8	2.3	2.6	3.8	5.0	3.0	2.7	2.0	2.6	4.6	2.8	1.7	3.6	4.1	3.9	6.4	3.3	2.7	3.1	2.7	1.3	3.6	2.5	3.8	1.6	1.7	2.8	2.9	6.3	4.0	1.7	4.0	3.6	2.5	4.6	5.0
AHSA1	38.8	38.5	37.5	40.5	40.3	42.0	37.9	41.8	41.0	48.0	43.8	43.8	56.4	48.3	45.6	43.2	42.0	47.1	49.0	44.0	48.3	43.3	51.5	51.6	34.0	44.6	51.4	56.5	31.4	42.8	48.4	48.7	42.2	56.8	48.8	48.8	49.9	55.3	52.1	46.3
AHSA2	7.5	7.1	6.1	6.2	9.6	6.7	4.8	5.7	9.2	7.4	8.8	7.8	5.8	9.0	8.3	7.7	9.7	9.0	8.3	14.2	9.5	7.0	5.4	7.6	9.8	8.7	9.6	10.8	5.6	8.9	7.5	8.0	16.8	11.5	9.0	6.8	9.2	6.6	6.3	7.6
AIDA	15.7	13.0	13.0	15.2	15.4	13.2	12.5	15.1	16.5	13.1	14.8	11.5	20.3	20.7	18.9	13.0	14.9	15.8	14.9	17.2	18.4	15.2	13.2	13.0	10.5	17.8	14.4	14.9	13.0	13.3	14.0	12.6	22.9	19.0	14.1	13.3	20.1	14.0	17.9	14.4
AIF1	5.1	4.5	4.1	5.8	8.3	5.2	6.6	4.7	7.1	3.8	4.8	2.1	14.9	2.5	11.9	5.1	9.6	6.3	6.1	9.9	9.5	3.5	3.8	3.3	1.1	4.2	2.1	5.1	4.8	1.3	3.6	16.6	4.7	1.5	2.8	5.2	2.6	3.4	4.8	
AIF1L	12.6	11.9	12.8	11.7	13.5	8.3	10.1	12.1	8.8	7.0	8.5	7.4	7.7	4.3	8.3	8.7	7.5	8.7	10.3	7.2	9.4	7.2	8.5	6.2	3.0	5.2	13.7	8.7	4.2	4.9	10.7	6.7	13.0	8.3	8.2	9.3	8.9	6.8	14.6	9.0
AIFM1	40.1	41.9	47.4	36.2	38.0	39.6	36.8	42.3	40.1	43.7	46.3	43.4	39.4	31.5	27.9	41.5	32.3	45.8	32.7	39.7	35.5	40.2	39.7	48.0	30.1	33.8	40.5	43.5	26.3	41.8	33.8	39.8	17.7	41.2	32.5	43.4	37.1	35.5	38.3	48.9
AIFM2	4.3	5.6	3.5	5.9	4.0	6.1	3.5	3.1	5.9	4.0	5.3	6.0	5.9	7.0	5.9	3.3	6.4	4.5	4.5	4.4	9.5	4.6	4.5	4.3	3.5	3.6	4.7	5.1	4.7	4.7	4.4	5.0	5.1	4.0	4.6	4.2	3.6	4.9	4.4	
AIG1	13.4	16.3	14.0	15.4	19.9	17.4	18.9	24.9	15.6	13.5	19.3	19.9	14.7	12.5	16.6	15.6	9.2	18.6	18.5	17.2	18.6	15.9	22.2	19.4	15.7	12.8	17.7	15.4	8.8	21.3	17.5	17.7	8.7	16.5	23.0	15.1	20.8	11.9	23.9	21.6
AIMP1	7.7	8.1	7.2	8.3	8.0	7.4	7.1	6.8	8.2	7.6	8.4	8.8	9.0	8.7	9.0	7.7	8.3	9.1	7.1	9.6	8.3	7.7	8.7	7.7	5.5	7.0	9.0	7.4	5.5	8.8	7.2	8.7	9.6	9.2	7.8	8.1	8.7	8.0	9.4	8.5
AIMP2	10.9	15.7	17.0	17.1	12.3	12.3	14.8	14.3	11.3	12.2	16.1	14.0	12.5	12.5	9.0	10.8	13.0	15.3	11.3	12.0	13.0	14.3	17.6	10.8	9.6	8.8	13.4	14.3	9.7	13.9	12.3	14.1	7.4	11.7	12.2	13.7	13.6	12.7	17.9	11.7
AIP	12.4	17.2	14.6	16.9	18.7	16.9	15.1	15.7	17.9	15.6	18.0	17.7	18.8	22.7	23.6	15.8	17.7	19.8	17.1	19.1	18.6	14.4	17.3	16.8	17.7	17.3	14.7	16.2	15.6	17.6	19.0	17.9	28.2	20.1	19.2	15.3	18.6	18.1	20.5	14.6
AK1	77.7	70.7	78.5	71.9	77.5	79.0	73.7	69.3	59.8	70.1	73.5	86.8	65.9	70.7	57.3	78.2	62.6	61.1	71.5	71.3	59.0	71.9	61.0	68.0	58.8	48.8	78.7	74.6	49.5	73.9	62.1	65.7	30.8	70.4	60.3	64.6	57.9	54.4	51.6	63.6
AK2	15.1	16.6	13.8	16.8	17.4	14.3	15.1	15.5	16.5	13.6	13.4	15.8	15.8	15.1	15.4	14.1	14.7	16.4	14.3	17.0	16.0	14.1	15.7	15.2	12.3	14.0	16.5	16.2	12.6	15.6	13.8	16.6	15.9	15.3	17.6	14.1	15.1	11.5	14.8	14.5
AK3	26.6	27.7	28.0	34.0	38.8	25.0	33.4	34.1	34.4	28.0	27.0	23.4	28.5	35.0	25.7	28.7	20.9	30.9	26.4	31.0	36.4	33.1	32.7	32.9	25.5	23.6	32.4	25.4	19.1	22.5	19.3	27.0	15.7	32.6	33.4	32.0	37.4	29.0	33.8	36.1
AK4	13.1	11.9	12.2	11.0	12.9	11.6	13.5	20.8	16.9	13.0	16.9	11.2	12.0	16.5	9.1	13.7	11.3	19.4	13.5	15.0	14.8	14.4	14.9	12.1	11.3	10.4	11.7	10.3	7.1	12.9	11.4	14.9	7.7	19.8	13.5	14.5	17.4	13.0	13.5	12.7
AKAP1	47.0	55.7	36.9	32.8	54.1	44.9	46.6	57.4	33.0	37.8	49.0	37.7	41.8	28.6	28.6	42.5	28.1	35.6	42.9	32.8	37.3	39.1	46.6	38.9	22.6	35.5	46.5	43.2	28.9	32.4	29.7	29.4	20.2	29.7	43.4	26.6	40.4	22.2	43.3	46.9
AKAP10	1.8	3.3	2.6	2.1	3.6	3.4	2.4	3.5	3.9	3.1	3.6	3.0	3.4	4.6	2.8	2.7	3.3	3.0	2.8	4.7	3.5	3.7	2.3	3.6	3.2	3.6	3.2	3.6	2.1	2.4	2.5	3.1	6.4	4.1	2.3	3.9	5.0	3.3	3.8	3.7
AKAP11	3.0	2.0	2.7	2.0	2.6	2.4	2.0	2.6	4.1	2.1	3.0	2.2	2.9	3.4	2.3	2.4	2.2	3.1	2.6	4.7	2.8	2.5	2.2	2.2	2.3	2.2	2.3	2.2	2.1	1.9	2.3	2.2	3.0	3.1	2.2	2.2	3.3	2.2	2.2	3.5
AKAP12	4.5	3.6	5.2	2.6	6.7	3.6	6.1	3.7	6.9	4.3	4.3	1.7	5.3	4.1	10.8	7.2	5.2	4.8	4.9	15.9	10.5	5.8	3.3	3.3	6.0	24.3	4.1	4.1	5.4	9.9	3.1	5.8	30.9	10.0	4.2	5.7	6.3	5.8	8.8	5.2
AKAP13	40.2	30.2	41.6	31.7	45.9	30.5	23.2	36.9	46.0	71.1	48.2	54.0	32.7	41.3	29.9	42.6	51.3	53.2	49.3	44.1	34.6	44.4	41.3	43.3	40.8	55.0	49.0	53.7	21.5	28.2	38.3	54.8	63.1	54.7	72.5	36.0	45.1	36.8	35.5	43.2
AKAP17A	6.9	6.3	6.6	6.8	7.3	8.2	6.0	8.5	6.2	6.5	6.9	8.6	8.4	11.7	10.6	6.2	6.3	10.1	8.6	7.8	6.6	6.5	8.9	9.5	9.1	7.8	6.5	13.3	7.5	9.3	16.5	9.2	7.7	8.3	9.2	9.3	9.8	7.3		
AKAP2	20.7	23.8	20.4	16.9	18.9	20.1	12.1	24.6	28.3	27.5	24.9	24.1	26.3	28.8	21.4	24.0	32.5	29.7	25.8	21.7	19.1	25.1	30.6	24.5	14.6	26.1	24.6	23.1	17.1	17.3	22.4	27.7	28.5	27.6	24.1	22.4	20.9	28.7	22.9	24.6
AKAP6	25.5	16.0	20.2	16.2	17.6	13.7	12.9	19.9	24.9	22.5	24.0	20.1	13.2	22.3	8.2	17.0	19.1	23.2	20.6	18.9	17.8	25.6	23.5	22.2	11.3	12.6	21.0	21.7	7.5	11.1	14.7	18.0	6.6	14.3	20.0	19.2	22.1	19.5	13.4	26.4
AKAP8	3.5	3.9	3.0	5.4	4.7	2.8	3.1	3.4	4.4	3.2	3.1	3.0	3.0	3.8	4.3	3.9	3.6	3.1	3.0	3.2	3.6	3.2	3.6	2.6	3.1	3.6	4.7	4.7	2.8	3.2	3.8	4.2	5.6	4.2	3.4	4.0	4.0	3.1	4.4	4.5
AKAP8L	14.4	16.7	10.0	17.3	21.6	14.4	13.7	14.3	16.6	14.6	13.4	16.4	15.0	14.4	20.0	18.2	16.4	15.5	14.7	16.6	15.2	13.0	17.2	16.0	17.4	16.1	21.6	15.6	11.8	20.2	18.5	15.2	24.5	18.2	15.2	14.0	17.5	15.6	23.9	16.4
AKAP9	5.1	4.1	3.2	3.4	3.4	4.0	3.8	3.8	5.0	4.1	3.2	4.1	3.5	3.5	3.7	2.4	3.3	2.9	3.3	5.4	3.3	3.5	3.5	4.0	2.8	3.6	3.1	3.6	2.3	3.0	2.3	2.1	3.7	3.5	3.0	3.2	3.7	2.2	3.7	5.2
AKIRIN1	11.5	10.9	11.5	13.5	9.2	8.1	10.3	10.9	12.6	11.4	9.8	9.4	10.2	14.8	11.8	11.1	10.6	11.1	11.0	11.7	13.3	11.2	13.5	11.6	8.5	9.7	13.1	11.8	7.3	9.4	9.1	12.3	14.4	15.5	11.2	13.4	11.2	12.6	14.4	11.5
AKIRIN2	8.1	8.5	6.6	7.3	11.0	9.1	7.3	8.5	11.0	10.4	9.7	11.3	10.8	13.5	14.3	7.5	11.4	10.9	9.8	11.4	9.1	10.6	11.1	10.4	12.2	11.0	14.3	7.4	10.8	10.0	13.8	15.8	13.4	10.4	13.2	11.8	11.4	11.6	10.1	
AKR1A1	7.7	8.0	7.5	8.1	11.9	10.9	8.6	9.2	10.9	8.2	9.6	10.4	11.7	11.2	15.3	7.3	8.1	10.2	9.9	14.0	11.5	11.1	6.4	9.9	7.5	9.1	11.4	10.7	8.7	10.6	8.2	10.3	15.1	12.8	9.3	8.4	11.3	6.6	6.8	9.0
AKR1B1	62.1	56.2	53.7	41.9	110.4	64.6	69.4	61.1	69.3	50.2	56.8	68.8	61.4	72.3	54.5	69.6	52.6	64.2	67.3	64.1	50.1	63.9	65.1	80.3	51.1	43.7	48.1	39.6	47.0	57.6	48.6	57.6	49.6	74.4	72.5	60.0	51.8	60.5	60.4	72.4
AKR1C1	5.1	5.7	6.2	5.9	18.5	9.1	7.6	11.0	14.2	7.3	8.1	4.5	11.7	9.6	28.0	9.3	7.0	4.3	4.4	28.4	18.9	7.7	2.3	4.6	10.2	11.7	7.5	7.8	12.7	9.9	3.3	9.2	19.9	7.9	3.1	9.3	10.7	9.3	8.9	6.8
AKR1C2	4.0	2.3	4.1	4.6	5.9	3.1	3.1	2.4	7.0	3.7	4.9	3.9	5.7	4.1	15.3	4.0	4.2	4.2	3.9	13.2	16.9	3.0	1.7	3.2	4.0	10.3	3.3	3.8	4.2	5.6	1.7	5.5	8.7	7.2	2.7	4.6	4.4	4.8	4.0	4.2
AKR1C3	5.1	4.0	3.0	3.8	11.3	6.6	5.0	6.9	8.1	5.7	5.2	4.6	10.3	8.1	21.6	5.9	4.8	4.9	3.4	14.3	16.3	6.1	3.9	5.7	4.0	7.6	4.2	6.9	9.6	6.6	6.3	10.6	14.8	4.6	3.7	7.0	5.2	7.4	9.3	7.0
AKR7A2	10.1	11.4	10.8	10.1	16.2	15.2	14.5	11.3	15.1	13.2	18.1	16.0	16.1	14.2	16.1	10.3	13.6	13.4	14.4	16.0	15.1	14.0	13.6	13.7	10.9	15.3	13.8	15.9	9.9	17.8	13.2	9.8	13.4	15.1	15.0	13.9	14.2	12.2	13.7	12.7
AKT1	28.6	38.6	34.7	48.2	40.5	29.8	31.0	36.1	41.6	40.5	39.5	35.9	38.9	46.4	38.2	37.3	40.5	35.0	36.1	35.6	40.3	39.0	39.4	37.5	29.1	38.3	41.5	42.8	34.5	38.5	36.2	39.3	36.6	47.0	34.4	38.2	45.9	47.2	46.1	37.2
AKT1S1	9.4	10.5	11.2	14.3	10.5	12.4	10.1	12.6	12.1	9.9	12.1	10.8	12.6	13.0	15.4	12.1	11.7	11.3	12.3	11.2	12.0	10.5	10.4	10.3	12.4	9.9	11.3	12.2	9.9	10.7	9.8	11.5	13.3	12.8	10.7	12.1	10.0	11.0	10.9	12.1
AKT2	12.3	13.6	13.9	12.5	13.3	14.1	12.1	11.9	15.0	14.1	14.6	13.7	14.3	15.8	15.5	13.0	14.1	14.3	14.2	15.8	17.4	13.6	13.3	13.1	12.0	13.1	15.4	16.8	10.9	13.0	11.4	13.6	14.8	14.5	15.7	12.4	14.7	11.8	13.2	13.6
AKT3	2.7	2.7	2.3	2.4	3.1	2.9	1.9	3.2	3.2	3.2	2.0	1.1	2.1	2.2	2.1	2.2	3.1	2.4	3.4	6.8	3.4	2.6	1.7	1.7	1.5	4.1	3.3	2.7	1.1	1.5	2.1	2.2	12.7	6.9	2.8	6.2	5.7	3.2	5.1	3.9
AKTIP	20.3	15.8	17.0	23.3	22.2	16.6	18.7	18.8	16.4	14.5	16.6	13.4	19.1	19.3	17.7	18.5	12.1	13.4	11.9	15.1	15.4	16.6	14.4	13.9	15.8	14.2	28.6	18.6	11.4	22.0	16.7	18.5	13.2	20.9	15.4	26.8	21.6	18.3	20.3	16.0
ALAD	12.6	14.1	16.5	26.2	20.0	16.0	17.6	11.4	13.4	7.2	19.6	9.0	14.0	22.1	14.8	19.2	18.3	15.8	9.0	13.6	18.4	13.2	12.1	11.3	9.4	6.4	20.6	8.3	9.4	11.2	12.0	13.0	12.0	18.2	8.4	17.5	16.0	12.0	14.5	13.6
ALAS1	44.4	43.2	50.5	42.2	33.5	47.1	41.1	59.1	49.0	47.2	46.6	42.1	44.3	40.1	37.1	50.7	33.0	44.6	41.7	48.8	50.5	51.4	38.8	45.7	25.9	35.2	44.7	48.3	33.1	37.7	42.2	34.8	18.3	46.8	25.9	49.7	53.7	40.6	41.1	40.5
ALDH18A1	2.4	2.1	2.4	3.2	3.2	1.9	1.8	2.9	3.6	3.7	2.9	3.1	3.9	4.3	6.5	2.3	3.6	3.9	3.7	5.6	4.6	3.2	3.0	3.3	2.5	4.0	2.3	3.1	3.9	1.7	2.5	4.0	3.9	4.7	2.0	2.9	2.9	3.7	2.3	2.7
ALDH1A1	5.4	6.0	5.1	2.2	10.3	7.5	5.9	7.2	4.4	2.7	4.4	2.0	9.1	3.4	20.6	5.0	3.2	6.1	4.7	19.2	12.3	5.0	2.8	3.4	8.2	8.0	5.9	6.4	4.7	6.1	3.2	4.0	17.1	6.7	3.0	3.1	5.9	2.7	4.4	8.8
ALDH1A2	1.6	2.3	1.5	1.7	3.2	2.5	2.2	2.6	4.1	3.2	4.0	1.9	5.6	2.7	12.7	2.3	1.9	4.6	3.8	10.4	5.5	3.9	2.6	1.8	4.7	8.5	3.1	4.5	7.4	3.9	2.4	3.9	7.1	6.3	6.5	2.8	6.2	2.3	3.7	4.4
ALDH1B1	1.7	2.4	3.1	2.0	2.3	1.9	2.1	2.2	2.5	2.6	3.6	2.4	3.1	3.5	4.5	2.1	1.8	3.8	2.1	3.6	2.6	2.3	1.9	2.2	1.9	2.0	3.0	2.9	2.8	2.5	3.9	3.4	1.9	3.5	1.1	2.7	2.6	2.8	2.0	2.7
ALDH1L1	8.7	13.3	8.9	8.0	12.0	20.0	6.0	11.1	3.8	8.8	9.7	10.6	7.8	10.0	4.6	17.3	8.1	12.2	6.5	7.0	22.7	4.1	7.2	9.1	3.2	5.0	12.1	9.8	2.7	10.1	7.3	6.4	8.4	6.5	2.4	9.9	8.6	5.5	9.5	6.5
ALDH2	94.0	110.4	94.9	98.0	134.9	115.0	91.9	91.1	92.4	63.9	108.1	110.7	83.6	79.7	103.0	94.6	78.9	100.0	81.6	95.0	126.6	83.5	78.0	93.6	80.5	74.3	104.7	91.1	59.5	90.4	83.0	84.0	74.9	106.5	91.7	87.3	85.7	73.6	96.2	94.8
ALDH3A2	11.2	10.5	9.1	13.4	10.3	10.3	8.7	10.9	18.3	13.1	15.1	12.6	16.6	25.1	13.8	14.4	16.1	14.5	10.7	12.3	15.8	12.8	16.7	11.3	8.1	9.7	10.8	16.3	10.8	12.4	10.9	16.7	11.6	13.2	8.2	15.2	14.8	12.5	14.4	13.0
ALDH4A1	5.6	9.4	6.2	7.8	9.0	10.8	5.7	9.4	10.8	12.0	15.8	13.5	12.9	8.3	8.4	11.7	12.9	13.8	10.2	10.7	10.3	11.4	12.1	11.6	7.3	8.9	14.2	14.7	7.2	9.8	10.1	9.6	7.0	13.1	8.2	12.8	10.6	12.7	12.4	8.2
ALDH5A1	5.6	5.2	4.7	5.2	4.9	3.9	5.1	4.2	5.9	4.5	5.0	8.8	6.3	4.6	3.8	3.5	4.3	4.6	5.0	5.7	5.6	4.9	5.8	4.6	2.6	4.5	6.1	6.9	2.8	3.3	4.2	6.7	4.9	4.1	5.1	4.4	3.6	3.4	4.6	
ALDH6A1	12.0	21.0	16.2	15.8	19.4	21.1	12.9	22.1	17.8	21.1	26.3	21.1	15.6	16.1	12.8	25.0	21.0	30.9	16.7	21.7	19.3	21.9	20.0	26.5	10.8	15.0	22.3	21.8	8.7	8.3	11.0	13.3	12.7	21.5	10.6	18.8	17.7	16.2	20.5	23.3
ALDH7A1	6.9	7.1	7.7	6.2	8.2	7.0	6.1	7.5	7.5	4.4	8.2	7.4	6.7	5.4	6.9	7.2	5.3	7.3	4.3	9.0	5.9	7.2	6.5	10.0	6.0	5.3	8.1	8.4	5.8	5.6	6.1	5.6	5.6	6.3	5.4	6.8	6.0	5.3	7.1	9.9
ALDH9A1	14.0	17.9	15.9	14.5	18.3	16.6	13.2	16.0	23.3	20.6	19.5	24.3	20.6	18.7	18.3	19.3	19.8	21.2	17.7	24.5	18.7	20.4	20.0	21.5	14.1	17.3	17.3	18.7	14.5	17.7	13.9	20.0	18.2	19.8	15.1	20.0	12.6	16.2	17.5	20.8
ALDOA	826.8	766.6	774.0	715.4	841.3	746.7	751.8	773.4	742.9	749.6	936.1	965.5	767.0	743.2	618.9	841.4	671.4	665.4	809.0	600.8	895.2	780.9	837.4	885.5	543.7	586.1	827.8	747.7	492.2	869.2	795.0	946.1	456.5	685.5	788.8	662.4	696.0	601.2	738.8	816.5
ALDOC	127.8	65.7	76.3	92.3	191.4	132.4	92.8	139.4	91.1	68.3	129.2	83.6	114.8	129.4	118.6	101.8	93.0	112.3	81.8	100.9	99.0	104.9	99.4	103.4	111.3	67.6	131.4	94.3	87.1	140.8	108.5	99.2	71.5	141.8	166.6	70.6	133.4	75.2	99.0	111.3
ALG12	3.0	3.3	3.4	4.3	4.4	4.6	4.0	4.6	4.8	3.6	3.6	3.1	3.4	4.4	4.5	4.5	2.9	2.9	3.4	4.3	4.4	3.7	3.9	4.0	2.5	2.4	3.5	4.0	3.4	3.9	3.7	3.8	5.0	4.1	3.9	3.7	4.2	2.8	3.4	3.9
ALG13	3.8	4.2	3.4	3.6	4.4	3.6	3.2	3.9	5.1	4.7	4.8	4.6	5.0	4.3	4.6	4.5	5.5	4.7	5.0	5.6	5.1	3.8	4.4	3.7	2.6	5.0	3.8	4.8	3.3	4.3	4.1	4.6	7.3	4.9	4.0	4.4	5.2	4.2	5.1	4.3
ALG14	1.8	1.7	2.1	2.3	2.6	2.1	1.7	1.9	2.5	2.8	1.9	2.0	3.5	2.7	3.4	2.3	2.2	3.4	1.4	3.9	2.7	2.3	1.8	1.8	1.8	1.3	2.2	3.1	2.0	2.7	2.8	3.3	2.3	2.9	2.5	2.1	2.0	3.6	1.9	2.2
ALG2	3.7	3.3	4.1	3.9	3.7	2.8	2.2	2.8	3.4	3.0	3.0	3.7	4.3	4.6	3.8	3.6	3.3	3.3	3.1	5.1	4.5	3.8	3.3	3.6	2.5	2.7	3.6	3.5	2.5	2.5	2.7	3.2	3.9	4.3	3.3	4.1	4.5	2.5	3.4	3.5
ALG3	4.1	4.7	5.1	6.9	3.9	4.1	5.1	4.6	3.9	4.2	3.8	5.3	5.0	6.2	4.4	4.4	4.6	3.6	4.0	5.7	3.5	3.3	4.1	4.5	4.1	5.1	5.1	4.6	4.2	4.3	6.0	4.8	4.4	4.0	4.0	4.4	5.1	4.3	4.3	
ALG5	3.2	3.5	3.9	5.2	4.9	3.8	4.1	5.0	3.6	4.1	3.8	6.3	5.7	6.0	3.6	4.6	4.2	4.1	4.2	5.1	2.9	3.0	3.2	3.3	4.7	4.6	3.8	4.3	5.2	3.2	5.3	6.5	3.9	2.7	2.9	4.3	3.0	4.7	4.0	
ALG8	4.0	3.4	3.6	5.5	3.7	3.1	3.7	4.9	5.0	4.2	3.1	4.0	5.4	5.0	5.6	3.4	3.7	4.4	3.3	5.2	4.2	4.8	2.7	5.0	4.2	4.0	4.0	3.8	4.3	3.3	5.2	4.3	4.4	5.5	4.7	4.2	4.0	5.1	4.4	3.8
ALKBH1	3.9	2.8	2.7	2.4	2.7	3.4	2.7	3.4	3.4	2.9	3.6	3.3	3.6	2.7	3.0	3.9	2.8	2.5	2.8	3.4	2.7	2.6	3.1	2.4	2.5	4.0	4.2	2.1	3.5	2.3	3.3	3.4	2.6	3.4	3.6	2.2	3.8	4.0		
ALKBH2	3.4	2.5	2.2	2.8	2.7	1.9	1.5	2.0	4.0	2.0	1.9	3.0	2.0	4.3	4.6	2.9	2.5	2.4	1.9	3.3	3.2	2.1	2.6	2.4	4.0	2.8	3.0	2.4	2.5	3.0	2.1	2.7	4.6	2.8	2.3	2.2	1.4	3.1	2.9	4.0
ALKBH3	2.0	2.5	2.1	2.2	3.5	2.1	3.3	3.0	2.8	1.6	1.9	2.0	3.1	3.6	3.4	2.4	2.8	2.0	2.3	2.2	2.1	1.9	2.9	2.5	2.0	2.0	2.0	1.9	2.1	2.8	2.5	2.5	2.7	1.4	1.8	1.8	2.5	1.7	2.0	3.6
ALKBH5	31.7	30.8	27.6	25.2	28.1	24.8	29.9	30.2	37.2	29.6	38.0	34.5	28.3	33.0	31.5	33.0	30.4	32.0	30.7	25.8	28.0	26.4	33.0	28.7	26.2	22.9	32.3	28.8	21.5	25.7	27.9	29.9	23.5	36.2	31.2	26.5	31.6	23.6	31.9	29.5
ALKBH6	1.1	2.4	2.7	2.0	2.6	3.1	2.6	2.0	3.1	2.0	3.7	2.9	4.7	4.4	4.8	2.8	3.3	3.1	2.5	2.9	3.1	3.1	2.8	2.6	3.0	1.9	1.6	3.2	4.9	3.5	3.0	3.3	3.7	3.2	1.7	3.4	3.3	2.5	4.0	2.1
ALKBH7	20.4	24.3	20.3	18.2	22.8	24.8	19.3	20.0	19.5	20.9	27.7	29.8	21.5	19.2	16.5	17.2	18.3	19.9	26.8	19.2	23.5	20.3	18.8	20.8	17.1	14.6	19.2	27.0	13.8	23.7	22.9	21.2	13.0	22.1	23.3	17.8	19.5	21.0	16.3	19.4
ALOX5	1.6	1.3	1.4	1.7	2.9	1.5	3.2	1.4	2.5	1.1	0.3	0.3	2.1	0.5	2.6	1.0	1.7	1.0	1.4	1.6	2.0	0.8	0.5	0.9	0.3	1.3	1.6	0.9	0.4	1.5	0.3	1.6	6.0	1.4	0.7	1.6	2.1	1.2	2.3	1.1
ALOX5AP	2.6	4.1	3.8	3.9	5.7	3.2	5.0	5.1	6.8	4.2	2.3	0.8	8.5	1.8	9.2	3.4	4.7	2.9	2.4	3.4	5.0	1.8	0.9	1.9	0.7	4.9	2.9	4.2	0.4	4.5	0.2	1.6	11.5	5.7	1.0	4.1	4.5	2.4	7.2	3.7
ALPK2	28.4	14.6	19.2	27.5	33.6	15.9	15.1	22.3	19.4	26.5	17.4	20.8	24.6	29.1	14.2	20.9	22.8	18.5	27.0	17.8	18.7	26.7	33.7	23.2	12.0	15.9	17.4	21.9	13.0	16.9	23.7	21.2	8.3	14.6	28.3	18.0	20.7	29.4	22.6	23.8
ALPK3	20.4	25.2	30.1	16.9	22.3	15.0	17.3	18.7	30.4	44.4	33.3	45.7	28.7	29.9	17.7	30.2	37.2	34.8	40.0	18.7	28.9	30.7	36.3	34.2	12.8	30.9	37.3	41.8	18.1	15.8	29.0	32.3	20.4	27.2	29.5	35.1	34.3	37.0	25.8	25.4
ALPL	5.4	4.3	3.9	13.9	6.9	4.1	5.8	4.5	6.0	5.8	3.9	2.9	4.0	4.4	4.4	4.5	7.0	4.1	5.2	2.7	4.7	3.0	3.2	3.9	3.3	2.9	3.1	4.6	2.9	3.5	6.2	4.6	7.7	4.7	3.1	3.9	1.9	4.2	2.9	3.3
ALS2	8.3	8.1	6.4	5.9	7.2	5.9	5.9	8.1	7.4	6.4	7.9	6.9	6.3	7.8	4.2	7.0	7.0	7.3	5.8	6.6	6.1	7.2	7.4	7.3	4.4	6.1	6.6	7.0	3.9	4.3	4.9	7.0	5.0	7.2	6.0	7.4	8.1	5.7	6.2	6.8
ALS2CL	10.3	6.5	5.6	6.9	11.6	9.6	5.9	4.2	7.9	6.5	7.8	5.4	7.2	6.6	7.3	6.2	6.1	6.4	6.8	6.0	5.5	6.6	4.7	6.0	7.9	5.8	6.9	4.8	6.8	6.8	9.7	4.4	6.0	5.7	8.7	3.9	8.0	4.0	5.4	5.6
AMBRA1	2.2	2.5	2.0	2.0	2.9	2.6	2.2	2.6	3.0	2.3	2.7	2.4	3.1	3.1	4.0	3.0	2.4	2.7	2.5	3.0	3.1	2.9	2.8	2.8	2.1	3.2	3.2	3.1	2.0	2.5	2.6	3.0	4.5	3.1	2.4	2.8	3.2	2.5	3.4	3.1
AMD1	16.7	12.8	15.5	15.5	16.9	12.9	18.8	21.6	14.3	9.5	9.7	9.8	10.5	11.0	8.5	11.9	8.1	10.9	13.3	10.5	13.8	9.0	13.3	12.4	11.5	8.5	18.3	13.6	5.5	10.0	14.1	14.0	16.7	14.1	22.7	17.4	21.6	13.8	16.9	15.2
AMDHD2	1.1	1.3	1.1	1.2	2.9	1.7	2.3	1.8	2.1	1.1	1.6	2.0	1.5	1.2	3.1	1.6	1.8	1.4	1.7	2.1	2.4	2.0	1.7	1.7	1.8	1.2	2.5	2.4	1.7	1.8	1.4	1.4	3.5	1.8	1.2	0.9	1.6	1.5	1.5	1.4
AMFR	10.5	9.9	9.6	9.0	11.1	10.3	7.6	9.3	12.4	10.3	10.6	10.8	11.0	12.9	12.9	10.5	11.5	10.1	9.6	12.4	10.6	10.8	12.0	10.1	7.6	10.8	12.6	10.0	7.6	9.8	8.4	11.1	15.7	12.5	10.3	9.6	12.0	11.6	11.4	9.7
AMIGO1	4.3	4.8	4.6	4.3	5.4	2.9	2.7	4.7	5.5	5.4	4.6	3.7	3.2	4.5	3.7	5.3	3.6	4.3	3.8	4.1	3.8	4.6	5.3	4.6	2.3	2.7	3.8	3.5	2.7	1.5	2.7	3.9	1.3	3.6	2.5	2.7	3.9	2.6	3.5	4.2
AMMECR1L	2.4	3.1	3.6	2.6	3.6	2.7	1.7	3.2	3.6	3.1	3.0	2.5	2.9	3.4	3.6	3.3	3.1	3.2	2.5	4.4	3.6	3.0	2.7	2.7	3.6	3.5	3.4	3.8	2.4	2.9	3.2	3.7	5.7	6.0	3.6	4.2	5.5	3.8	3.8	2.9
AMN1	2.7	3.5	3.4	4.1	4.7	4.4	4.2	4.4	4.1	2.5	3.6	3.5	4.0	4.0	4.0	3.9	3.8	3.0	2.6	3.1	3.3	4.1	3.8	3.5	3.0	3.5	3.7	3.3	2.4	3.7	3.3	4.6	3.3	4.0	3.6	4.3	3.8	2.9	4.5	4.3
AMOTL1	4.7	5.3	7.5	4.0	6.2	4.0	3.4	4.4	8.2	7.2	7.5	6.1	4.7	5.9	5.2	5.4	7.1	8.6	7.7	7.4	7.4	6.2	8.2	5.3	4.1	6.2	8.8	8.3	3.9	3.3	7.7	7.1	8.3	10.4	6.9	11.9	12.4	12.0	9.5	7.4
AMOTL2	8.6	18.9	12.9	6.8	9.8	12.0	9.8	9.6	11.6	4.1	9.4	8.8	11.0	13.1	19.0	4.3	9.9	8.2	9.4	12.4	15.1	10.4	13.9	10.0	7.5	6.2	14.2	9.7	7.2	7.4	6.4	6.9	12.6	14.4	9.2	10.0	14.0	12.8	11.1	13.4
AMPD2	2.1	1.6	1.6	2.4	2.1	2.3	1.9	1.7	2.9	2.2	2.1	2.1	3.1	3.4	5.0	2.2	2.2	2.1	1.8	2.7	2.6	2.3	1.9	2.1	2.2	3.5	2.3	2.6	2.4	3.4	2.6	2.9	5.6	3.6	1.2	2.1	2.3	2.8	2.8	2.0
AMT	7.3	7.8	6.4	5.6	8.4	9.2	6.4	9.5	10.8	7.4	14.4	10.6	10.2	7.7	10.5	9.8	7.2	10.5	8.8	12.6	9.2	10.4	9.5	12.3	10.7	7.4	12.5	10.1	8.4	10.6	7.6	7.3	8.4	10.0	9.0	7.0	8.9	6.5	7.8	11.0
AMY2B	9.4	9.9	6.0	5.6	12.5	9.5	8.1	6.5	9.1	6.1	7.7	9.4	9.1	9.0	8.3	9.5	8.5	8.5	6.9	9.0	9.1	8.2	9.5	7.5	9.1	8.0	10.4	10.2	7.6	11.5	12.5	8.8	11.7	10.3	14.0	6.5	10.9	6.5	11.3	7.8
AMZ2	21.0	22.1	20.0	20.8	21.7	24.2	19.9	21.9	24.6	25.0	25.4	24.1	31.3	29.4	24.1	23.0	28.3	26.6	22.8	24.8	26.0	23.5	29.0	25.0	19.8	19.9	24.9	27.8	17.9	25.0	21.4	23.1	20.9	22.7	22.0	19.4	25.9	21.2	26.2	24.3
ANAPC1	2.9	2.9	3.3	3.2	3.3	2.6	2.6	3.2	3.8	3.1	3.7	2.4	2.5	3.5	2.6	2.5	3.3	3.4	3.1	4.5	3.0	3.3	3.1	2.7	1.9	3.1	2.5	2.5	1.4	1.9	2.3	2.7	4.1	3.3	2.6	3.2	3.7	2.7	2.6	3.6
ANAPC10	2.4	3.2	3.7	2.2	3.4	4.2	2.9	2.9	4.3	3.7	4.1	4.1	4.2	4.9	5.9	4.0	4.3	3.5	3.2	5.0	3.9	3.3	4.1	3.5	2.9	4.5	4.7	3.5	2.6	3.8	3.5	5.9	4.1	4.7	4.0	3.5	3.6	3.6	4.0	4.3
ANAPC11	16.7	18.1	17.7	16.2	29.9	21.4	21.0	16.0	17.9	14.7	18.2	21.5	19.7	22.0	17.7	15.9	15.2	15.6	18.1	23.0	22.1	17.4	14.6	17.2	14.9	12.6	18.7	16.4	17.4	22.5	20.2	18.0	15.5	20.3	22.9	17.1	23.1	16.9	18.0	15.2

ANAPC13	23.1	29.7	27.6	18.5	37.0	25.5	24.3	20.7	26.5	26.9	25.4	27.3	37.9	40.7	32.9	28.1	27.7	31.4	26.7	27.3
ANAPC16	30.5	26.5	27.4	25.9	32.4	26.1	28.4	28.5	27.6	29.7	30.5	31.4	34.6	38.9	27.0	29.0	29.2	36.9	30.6	27.3
ANAPC2	5.4	5.7	4.6	5.1	6.5	5.3	5.4	4.7	6.8	5.4	5.8	6.3	6.3	6.3	7.0	5.1	4.0	5.1	6.1	5.7
ANAPC4	3.8	3.9	2.7	3.6	4.5	3.5	2.8	3.0	4.5	3.4	4.7	3.9	4.4	3.9	5.3	4.2	4.2	4.1	2.8	6.1
ANAPC5	18.8	20.9	16.5	20.1	22.9	19.5	18.4	18.6	22.3	17.1	19.1	18.8	20.7	21.8	24.5	18.0	19.0	18.7	18.6	22.7
ANAPC7	6.7	7.8	7.8	9.7	8.8	8.0	7.8	9.0	8.1	7.9	7.1	7.8	9.0	9.7	9.6	7.6	6.1	7.0	6.6	8.6
ANG	2.5	1.9	1.0	1.0	2.4	3.8	2.8	1.8	2.6	2.3	1.0	1.7	3.7	3.5	8.0	2.8	2.2	1.9	1.6	3.1
ANGEL1	4.1	4.2	3.8	4.6	4.1	4.0	3.5	3.8	5.5	4.6	4.1	4.2	4.5	4.1	4.9	4.8	3.6	4.0	4.5	5.3
ANGPTL1	2.8	3.3	4.6	3.2	8.2	4.8	3.7	5.7	7.9	6.0	4.2	3.5	7.0	5.7	10.3	8.5	6.0	6.6	3.3	6.5
ANGPTL2	6.1	9.0	10.6	15.8	9.0	9.1	5.0	8.6	21.5	15.0	15.1	13.5	13.5	9.9	17.4	8.6	16.6	12.1	12.4	12.8
ANGPTL4	0.5	0.7	1.2	6.1	7.4	0.7	3.9	0.4	2.1	3.3	2.0	6.7	4.1	7.4	3.8	1.7	5.1	2.4	6.4	3.1
ANGPTL5	0.4	0.1	0.2	0.1	0.6	1.0	0.5	0.7	1.4	0.8	0.2	0.1	0.9	1.4	3.7	0.6	0.9	0.3	0.8	3.2
ANK1	20.7	27.2	30.7	9.0	14.9	20.4	40.0	26.6	16.5	12.9	28.8	10.6	13.6	10.5	8.6	20.7	8.5	22.6	15.6	17.0
ANK2	19.3	18.6	19.9	22.0	16.7	18.1	18.1	25.3	23.6	18.4	24.8	17.4	14.7	19.5	10.0	17.7	17.4	25.1	23.0	25.3
ANK3	20.4	20.3	15.2	20.4	11.9	13.3	9.8	13.5	15.2	14.6	16.5	13.6	12.6	16.0	7.5	15.6	16.3	14.2	16.8	14.0
ANKFY1	6.3	5.1	4.2	5.1	6.6	5.1	3.4	5.5	6.2	5.2	5.7	5.2	6.3	6.1	5.4	4.4	5.3	5.8	6.0	7.0
ANKH	11.6	11.0	10.4	9.2	16.4	13.7	8.1	13.4	18.2	17.9	14.1	18.3	12.3	17.7	16.5	18.1	13.5	16.1	17.5	16.0
ANKHD1	5.2	5.3	7.8	6.1	7.0	5.2	5.4	5.5	6.6	5.6	5.9	6.5	5.3	5.1	6.2	5.0	7.4	6.5	6.9	6.0
ANKHD1-EIF4EBP3	4.1	4.4	1.9	3.4	3.7	4.0	3.2	4.5	3.8	3.7	3.1	2.9	3.4	2.8	2.4	4.0	2.7	3.7	3.4	6.5
ANKIB1	3.8	3.5	3.6	2.9	3.8	3.5	2.8	4.0	4.2	3.7	3.5	2.5	4.0	5.0	2.9	2.9	3.6	4.4	3.6	5.8
ANKLE2	6.1	6.7	5.1	6.1	7.3	5.5	5.4	6.2	6.6	6.0	5.9	6.6	7.0	7.9	7.8	6.5	5.5	5.6	5.8	6.8
ANKMY2	9.3	7.5	7.1	7.1	9.3	8.5	6.8	11.4	12.2	9.9	9.5	11.8	10.7	11.4	9.3	10.2	10.1	12.4	9.7	12.1
ANKRA2	2.7	2.9	2.7	3.0	3.2	2.5	2.1	2.5	3.4	2.9	2.5	2.8	2.6	3.4	4.0	3.7	3.0	3.0	2.9	4.1
ANKRD1	684.2	2379.2	2183.6	935.2	975.2	827.0	737.8	208.8	1692.3	1896.7	1548.9	1992.8	1897.8	3561.8	2288.7	2164.5	3221.3	2110.0	1749.9	1548.4
ANKRD10	10.0	11.1	8.8	12.4	17.3	9.1	6.9	8.4	14.1	12.0	11.7	13.8	15.3	16.3	21.2	8.7	12.6	11.1	11.7	18.1
ANKRD11	8.0	8.5	7.3	9.0	8.8	7.9	7.2	8.9	9.4	7.5	8.7	7.7	8.7	8.8	9.9	9.6	8.1	7.8	7.7	8.7
ANKRD13A	4.7	4.4	3.9	5.0	7.6	4.3	3.9	4.8	4.7	3.3	3.8	3.2	5.3	5.6	6.2	4.5	4.4	4.1	3.5	5.5
ANKRD13D	2.4	2.6	1.7	2.4	4.1	3.1	2.6	2.8	4.2	3.4	3.3	3.9	5.1	4.4	6.5	3.2	4.0	3.1	3.6	4.5
ANKRD17	10.0	8.5	8.5	7.9	9.2	7.5	6.8	9.7	10.5	9.8	8.7	8.0	8.0	9.9	6.3	9.0	9.4	11.0	9.1	10.3
ANKRD2	36.5	606.3	215.7	80.8	48.2	93.3	109.9	57.7	44.4	71.0	38.1	24.1	67.8	23.9	13.1	59.3	30.0	48.3	51.2	4.1
ANKRD23	0.9	6.7	7.0	0.6	4.5	3.0	0.8	1.3	2.3	2.4	6.0	3.5	5.4	1.3	5.3	2.9	1.8	3.1	4.8	1.7
ANKRD27	3.6	3.5	3.5	4.5	4.3	3.1	3.1	3.8	4.3	3.6	3.2	3.4	4.4	4.0	4.6	4.0	4.1	3.1	3.7	3.8
ANKRD28	3.3	3.1	3.5	4.0	3.6	2.6	3.4	3.4	4.1	2.8	3.3	2.7	3.0	4.1	2.0	2.9	3.1	3.8	3.0	3.3
ANKRD29	2.3	1.5	1.2	1.9	2.4	1.9	1.4	0.8	2.4	2.1	2.8	2.5	2.5	2.2	4.7	2.7	2.0	2.9	1.8	4.6
ANKRD33B	0.6	1.2	0.5	0.8	1.1	0.9	0.5	1.6	2.0	2.2	3.5	2.9	0.9	1.2	1.7	1.6	1.1	2.4	1.6	1.7
ANKRD37	7.3	2.2	1.1	1.4	5.2	4.1	4.7	2.5	2.5	6.1	3.3	4.1	4.3	2.4	2.3	6.4	1.5	3.4	4.7	2.2
ANKRD39	4.5	6.8	4.4	6.2	5.7	5.4	5.5	5.4	5.1	5.4	6.1	7.9	6.3	5.8	5.4	4.8	4.6	5.3	7.6	4.5
ANKRD40	9.6	9.4	8.4	10.3	10.4	7.5	7.3	11.2	9.1	9.1	7.6	7.4	8.5	10.9	9.0	8.6	9.6	9.6	8.9	8.3
ANKRD46	4.1	5.5	3.9	2.7	5.3	5.4	3.4	4.5	5.0	4.2	5.6	4.8	5.3	5.7	3.9	4.7	3.7	5.9	3.9	5.5
ANKRD52	4.8	5.8	4.9	6.3	5.7	4.9	4.0	6.0	7.1	6.0	6.0	5.3	5.5	5.5	5.7	5.8	5.4	6.3	6.3	6.5
ANKRD54	2.2	2.0	2.5	2.4	2.4	2.0	2.0	2.1	2.6	2.0	2.4	2.6	2.5	4.0	3.2	2.6	2.0	1.7	2.4	2.6
ANKRD9	16.0	16.3	17.9	13.0	24.6	17.5	14.4	10.1	19.0	23.9	21.1	18.8	20.1	29.5	10.4	19.1	16.7	16.6	15.2	14.2
ANKS1A	7.3	8.6	6.2	5.9	8.9	7.8	5.7	10.2	8.8	6.7	7.3	7.0	7.7	8.7	8.1	10.5	6.3	8.2	7.3	9.6
ANKZF1	6.8	8.4	3.9	6.1	7.9	6.9	5.6	6.3	8.8	7.6	7.4	9.1	8.3	7.6	7.8	7.9	6.6	6.8	6.3	7.9
ANO1	3.3	3.6	2.6	3.6	5.9	4.9	3.6	4.1	7.0	4.8	4.6	4.6	6.3	6.2	12.8	4.5	6.9	4.3	5.4	11.3
ANO10	2.3	2.8	2.6	2.9	4.0	3.0	2.2	2.6	3.0	3.1	3.2	2.8	3.2	4.5	4.6	2.7	2.5	2.9	2.6	4.3
ANO5	12.0	12.0	7.4	8.3	9.2	10.3	9.1	16.2	9.6	6.9	7.7	6.1	6.5	8.8	3.7	7.3	5.9	11.6	9.0	9.6
ANO6	11.6	9.0	9.0	10.8	14.1	9.4	8.6	13.0	13.7	9.9	10.0	7.2	10.2	15.0	9.6	9.0	11.1	12.6	11.1	18.7
ANP32A	20.5	23.3	17.6	20.1	18.5	21.9	17.2	19.7	25.0	24.6	26.0	27.6	28.3	29.5	30.6	23.7	27.2	26.5	23.1	28.0
ANP32B	10.4	12.7	9.5	13.1	13.4	11.1	9.6	9.9	12.4	11.3	11.6	12.3	16.6	13.6	22.0	11.7	17.3	13.0	9.9	14.3
ANP32E	7.1	9.4	8.2	5.2	5.1	6.6	6.1	5.6	8.3	6.4	7.8	8.1	10.1	10.5	9.9	6.6	9.1	9.0	6.6	9.5
ANPEP	1.0	0.8	1.8	1.6	2.0	3.8	4.2	2.6	1.2	0.8	0.6	0.3	1.6	1.2	2.9	2.3	1.2	0.5	1.3	1.0
ANTXR1	5.5	4.3	4.7	3.2	7.0	4.7	4.3	6.5	14.5	10.2	8.9	4.3	9.3	8.3	38.5	9.3	13.4	7.9	8.0	28.8
ANTXR2	5.7	5.7	3.9	5.0	5.5	5.0	4.9	6.1	9.2	5.5	6.0	5.1	6.4	8.6	7.9	6.9	9.7	6.6	5.5	9.2
ANXA1	27.1	17.2	26.4	18.3	41.9	21.8	26.9	22.7	61.6	26.2	26.8	15.4	46.3	29.9	84.8	21.3	28.2	27.6	24.4	64.2
ANXA11	79.5	73.0	70.3	74.3	87.1	65.6	66.4	90.7	79.9	80.2	74.4	89.0	75.4	81.2	88.0	76.1	82.7	72.1	81.3	76.5
ANXA2	63.1	46.1	60.9	76.1	97.6	48.5	56.6	59.9	93.6	62.3	52.4	33.7	79.5	71.5	160.4	53.0	67.4	48.8	60.6	91.2
ANXA3	27.5	20.7	24.9	16.2	28.4	11.9	19.5	23.6	10.0	6.8	11.3	9.0	9.4	5.5	10.9	13.5	7.1	12.3	12.6	13.0
ANXA4	4.2	4.5	3.8	4.7	7.3	4.8	4.6	6.4	9.5	6.5	5.7	6.5	9.7	9.4	23.9	5.1	9.4	7.0	6.2	13.9
ANXA5	54.1	54.0	56.3	55.0	76.3	50.7	38.9	58.9	79.2	72.1	57.6	49.4	71.0	91.7	129.9	62.3	89.1	53.7	68.2	100.3
ANXA6	49.6	49.8	45.0	62.3	64.6	59.0	46.5	61.1	56.0	54.7	62.6	57.0	81.1	74.6	75.7	59.5	54.0	63.6	46.4	72.8
ANXA7	35.8	32.7	34.9	33.4	34.9	36.3	28.4	28.8	46.0	33.5	42.0	40.4	48.4	45.7	50.1	42.1	40.8	48.0	35.1	46.4
AOC3	3.0	2.0	2.3	2.6	4.8	3.9	1.5	2.2	6.8	3.2	5.5	3.3	5.5	5.0	19.7	2.1	6.2	2.7	4.8	7.8
AOX1	0.7	0.9	1.7	1.4	1.4	0.8	3.0	0.8	0.8	0.5	0.5	0.1	1.3	0.4	3.1	0.8	0.5	0.4	0.4	1.7
AP1AR	2.3	3.0	2.4	3.1	2.7	2.4	2.2	2.7	3.6	2.4	3.4	2.5	2.4	3.8	2.5	2.9	2.6	2.9	2.4	2.3
AP1B1	6.2	8.1	7.7	7.7	10.0	8.2	7.7	10.0	9.9	7.0	7.4	7.5	8.3	8.8	10.3	9.4	9.2	7.6	9.0	9.0
AP1G1	4.2	5.1	5.0	5.7	5.9	4.5	4.0	6.0	7.0	5.4	5.8	4.9	5.1	6.4	4.9	5.6	5.5	5.8	5.3	7.0
AP1G2	1.6	1.7	1.3	1.9	2.6	2.6	2.0	1.9	3.0	1.6	1.7	1.7	2.6	2.6	3.5	1.9	1.5	1.7	1.8	3.0
AP1M1	8.0	9.0	8.1	10.4	12.6	9.3	7.5	8.4	11.3	8.3	10.2	10.9	9.3	13.5	15.8	9.9	10.3	9.6	9.7	10.9
AP1S1	2.9	2.9	2.4	2.4	3.3	2.4	3.2	3.1	3.7	1.7	3.2	2.9	2.6	3.3	3.9	2.6	2.4	2.6	2.5	3.7
AP1S2	16.0	20.2	19.4	37.8	22.2	16.9	19.8	18.7	22.6	19.5	16.2	18.2	19.0	24.0	14.7	18.4	33.3	20.9	19.1	16.2
AP2A1	12.1	13.3	11.7	20.1	15.6	13.2	11.6	13.8	14.0	14.0	13.5	15.7	13.8	17.5	18.7	14.4	15.0	12.7	15.4	14.1
AP2A2	6.3	7.1	6.0	7.4	9.3	7.8	5.8	8.1	8.5	7.6	7.2	5.9	8.5	7.3	11.3	8.5	9.1	7.0	7.2	9.1
AP2B1	18.2	19.7	19.2	21.4	21.6	16.9	16.4	18.5	22.4	20.9	21.4	24.0	23.5	21.5	22.7	24.1	21.6	22.5	20.9	25.9
AP2M1	65.6	76.7	72.5	79.8	80.5	71.1	76.8	78.8	86.9	79.5	86.7	83.8	91.5	101.6	99.7	77.7	87.2	95.1	81.1	90.0
AP2S1	16.2	15.7	15.6	17.2	17.7	13.6	13.4	16.1	17.4	15.5	21.8	19.5	15.2	20.4	19.3	16.9	14.9	15.8	13.4	16.1
AP3B1	5.4	5.7	4.9	6.8	6.3	5.2	5.5	6.9	6.3	5.2	6.8	5.4	5.6	6.6	5.4	5.5	6.3	6.8	5.1	7.0
AP3D1	14.4	14.3	13.3	15.6	18.1	12.2	11.8	13.3	15.2	16.7	13.6	14.6	14.8	18.9	15.5	18.5	17.9	15.1	14.8	13.3
AP3M1	5.2	5.4	5.4	6.1	6.4	5.2	3.9	6.6	6.1	5.9	5.5	5.6	5.7	6.9	5.0	5.6	6.1	6.7	5.6	7.3
AP3M2	2.0	3.7	3.2	2.6	3.6	2.7	2.5	3.2	4.9	5.4	5.3	5.8	5.1	4.3	5.0	4.3	4.5	5.0	4.5	6.1
AP3S1	11.8	10.5	11.6	17.9	17.0	12.9	13.2	13.1	18.3	14.8	11.6	13.6	20.5	21.5	28.8	14.8	15.6	14.5	13.5	17.2
AP3S2	4.2	4.4	3.8	4.7	4.2	3.9	4.1	4.1	4.2	4.3	4.9	5.5	4.1	5.5	4.4	5.1	4.8	4.7	3.8	5.8
AP4B1	3.3	3.8	3.7	3.5	3.4	3.0	2.7	2.5	3.9	3.2	4.2	4.0	4.0	4.6	5.4	3.3	3.4	4.1	3.1	5.8
AP4M1	2.9	2.9	2.1	2.9	3.5	2.2	2.7	2.4	2.9	3.0	2.7	3.2	3.1	4.3	3.7	2.6	2.3	2.4	2.8	3.2
AP4S1	2.2	2.1	1.9	2.2	2.0	3.0	2.2	1.7	2.8	2.3	2.6	4.2	3.6	2.5	2.6	2.7	3.3	2.7	3.2	3.3
APBA3	1.8	2.4	1.6	2.2	2.1	1.7	1.5	2.0	2.3	1.8	2.3	2.3	1.9	2.2	3.1	1.7	1.8	2.0	1.6	2.0
APBB1	16.7	19.3	16.8	17.4	21.6	16.5	15.8	19.9	15.6	15.5	16.2	15.2	18.5	20.7	16.4	16.4	17.3	13.7	16.7	14.7
APBB1IP	0.6	0.7	0.6	0.3	1.5	0.4	1.2	1.0	1.1	0.5	0.7	0.3	1.3	0.3	2.2	0.8	0.8	0.2	0.5	1.2
APBB2	2.4	2.4	2.2	2.4	3.5	3.4	2.3	2.9	4.5	2.7	3.2	2.4	2.5	3.4	4.7	3.5	3.7	4.2	3.3	6.2
APBB3	2.6	2.8	2.3	4.1	3.8	2.9	2.1	2.4	4.4	3.3	4.7	5.6	4.0	4.1	5.7	3.1	4.4	4.3	4.7	6.3
APC	3.3	2.3	3.0	1.8	2.1	2.3	2.0	3.1	3.7	2.3	2.8	1.8	1.9	3.0	1.7	2.4	2.4	2.6	2.5	3.7
APCDD1	9.2	9.7	7.2	7.4	20.2	15.5	9.3	14.1	12.8	4.9	11.9	4.9	9.7	8.8	15.1	7.4	7.8	7.6	8.8	12.8
APEH	16.2	16.7	15.6	15.7	14.8	15.5	14.4	15.7	15.0	12.9	15.1	15.2	13.3	17.2	13.9	16.5	12.6	14.8	16.5	15.0
APEX1	21.4	22.7	20.7	25.8	31.0	21.7	20.8	21.6	22.6	17.0	26.1	19.7	20.2	23.1	28.1	21.7	20.9	19.0	17.0	26.1
APEX2	3.9	3.6	3.6	3.6	3.3	4.9	4.0	3.9	5.4	4.0	4.6	5.0	4.3	5.2	5.5	3.7	4.0	4.4	3.8	5.6
APH1A	17.7	17.0	16.8	15.5	21.0	18.0	15.8	16.2	19.1	13.8	20.2	17.8	20.6	19.6	22.3	15.6	14.7	16.2	17.6	22.5
API5	6.5	7.8	7.6	8.1	9.5	8.2	6.4	9.3	10.4	8.8	9.1	7.9	9.1	10.3	8.9	9.6	9.3	9.7	8.0	10.6
APIP	8.4	8.9	8.2	9.2	7.4	9.5	6.0	8.8	8.7	7.8	8.3	5.9	11.9	11.8	9.4	5.2	9.6	7.6	7.8	9.5
APLNR	3.6	2.7	1.8	2.9	1.7	2.4	1.3	1.7	3.4	1.7	6.3	2.0	3.1	1.7	5.6	0.8	2.0	3.4	2.2	9.2
APLP1	1.4	1.3	1.7	2.4	3.0	1.9	2.5	1.9	5.1	6.8	5.8	6.9	5.3	9.1	3.9	8.8	6.0	5.0	5.6	2.9
APLP2	80.8	72.2	57.6	66.7	120.8	80.8	61.9	79.3	104.8	80.7	89.0	84.4	98.4	89.8	114.3	83.6	103.4	104.7	91.9	92.1
APOA1	7.9	18.7	5.5	1.5	22.0	10.2	1.8	34.3	16.9	36.8	30.7	80.3	13.9	8.9	21.2	44.1	17.5	46.3	22.5	14.1
APOA1BP	26.0	35.4	38.6	35.7	33.8	28.2	22.3	32.4	26.0	24.0	24.1	28.9	25.8	29.6	21.6	24.2	24.0	19.9	32.0	25.0
APOB	2.6	1.7	3.3	2.9	2.2	1.3	1.4	3.2	2.9	4.4	1.1	2.3	2.1	1.8	0.5	2.2	5.6	1.1	3.2	2.4
APOBEC2	77.1	57.5	54.9	86.1	48.9	65.6	69.4	74.4	54.1	40.5	55.8	39.3	55.1	61.3	29.2	49.9	33.8	39.9	47.9	33.4
APOBEC3C	6.8	8.4	7.4	9.3	7.9	8.5	7.4	7.7	8.1	5.9	7.7	6.8	8.1	6.3	9.0	6.9	7.1	7.4	8.2	8.9
APOD	112.9	271.1	252.2	213.3	154.9	299.8	240.2	153.9	149.8	103.8	109.0	41.5	451.2	228.3	85.5	214.1	415.5	153.5	94.0	74.8
APOE	5.6	24.5	7.8	12.9	19.3	23.1	10.0	15.0	5.3	6.4	7.0	8.0	17.3	14.9	19.6	5.0	12.9	9.3	2.2	44.9
APOL1	5.8	4.4	4.0	5.8	4.5	3.2	4.4	3.9	6.1	4.7	3.8	3.5	10.9	3.4	7.9	3.5	3.8	3.4	5.1	6.0
APOL2	10.0	8.6	7.9	13.6	11.3	8.4	7.5	8.3	10.6	8.1	9.1	8.3	10.3	8.4	10.9	9.0	8.1	8.1	6.9	9.5
APOL3	7.8	10.9	8.3	8.8	8.9	9.9	9.0	7.2	8.6	6.2	7.6	7.2	14.0	5.0	17.0	8.6	6.3	7.6	10.4	11.0
APOLD1	8.4	3.4	7.6	9.9	6.5	13.0	6.6	3.7	4.5	15.1	1.7	8.2	6.5	7.4	8.9	28.6	9.5	5.4	14.7	20.1
APOO	13.4	12.4	13.7	13.5	11.1	11.8	15.1	16.5	13.0	13.5	12.0	15.0	12.8	11.3	9.5	12.8	9.5	14.9	11.7	11.0
APOOL	3.0	3.4	4.0	3.1	2.8	3.2	3.0	3.6	3.4	3.2	3.6	2.4	2.9	2.9	2.0	3.8	2.6	4.4	3.2	3.3
APP	112.5	101.6	81.2	82.6	136.8	96.1	82.8	111.0	109.3	95.6	109.4	100.6	113.6	105.1	171.8	114.8	114.0	118.4	109.0	155.5
APPBP2	2.4	2.2	1.9	1.9	2.7	2.1	1.7	2.4	3.0	2.2	2.5	2.1	2.5	2.5	2.3	2.4	2.4	2.2	2.7	3.4
APPL1	7.7	8.6	7.2	5.3	8.4	8.5	5.3	6.8	7.5	6.2	9.0	6.7	6.1	6.4	4.6	6.4	6.8	8.7	7.1	9.7
APPL2	5.0	5.5	4.8	7.1	7.3	6.0	5.8	5.6	6.1	4.8	5.3	6.2	6.5	7.1	7.6	6.4	5.1	6.7	5.4	7.8
APRT	8.0	12.4	13.3	14.2	14.5	8.8	11.5	6.7	9.9	10.9	13.3	13.5	16.9	17.0	16.3	10.1	14.6	11.8	11.7	15.9
APTX	3.1	3.9	3.6	3.8	3.5	3.8	3.0	3.1	4.5	4.2	4.1	4.5	4.2	6.0	4.9	4.6	4.7	4.8	4.0	4.7
AQP1	74.4	79.7	65.2	76.6	79.5	79.8	110.5	104.5	56.7	45.4	50.4	67.7	74.5	37.1	111.0	64.6	48.9	75.6	59.9	95.5
AQP3	5.3	9.6	12.8	13.6	5.3	2.2	14.6	5.9	4.6	4.7	3.3	3.6	3.2	0.7	4.1	3.1	3.1	3.7	6.5	2.1
AQP4	2.5	3.2	4.8	2.3	0.8	2.5	2.4	1.8	0.6	0.0	0.8	0.0	0.7	0.1	0.1	4.7	0.4	0.2	0.5	0.1
AQP7	31.6	30.4	32.6	39.1	39.3	45.2	29.1	51.5	27.7	32.0	34.8	28.9	40.9	31.8	30.3	40.0	31.9	28.8	44.0	30.1
AQR	2.4	2.6	2.7	2.9	2.7	2.5	1.9	2.6	3.4	2.4	2.3	2.4	2.5	3.0	2.3	2.2	2.5	2.3	2.7	3.3
AR	3.5	2.4	2.9	2.8	2.5	2.2	2.3	3.0	5.1	4.5	5.1	1.6	2.2	4.4	0.8	2.5	4.6	3.6	4.9	4.7
ARAF	17.7	21.0	16.0	23.6	23.0	20.9	17.8	21.2	18.5	19.3	17.6	18.8	18.6	19.7	17.2	19.6	17.7	16.0	19.1	13.5
ARAP1	7.7	7.9	4.5	6.6	9.9	8.1	6.5	7.5	11.6	9.6	8.9	13.6	11.5	9.9	13.0	10.1	10.6	9.4	9.2	13.7
ARAP3	3.8	4.4	3.7	3.4	4.2	4.8	3.3	4.1	6.9	5.8	4.5	5.6	4.5	4.6	7.3	5.0	5.2	6.4	6.6	5.9
ARCN1	17.1	15.5	16.9	21.7	21.2	15.2	13.9	20.2	20.7	19.7	16.6	18.3	22.6	27.2	22.6	19.9	22.2	19.8	19.0	23.6
AREG	0.4	0.4	2.5	2.3	1.5	0.5	2.3	0.5	0.8	2.6	0.2	0.4	0.9	6.9	0.9	7.3	9.3	0.3	0.7	0.2
ARF1	92.9	89.7	87.0	97.2	109.0	95.4	87.7	97.1	115.4	108.1	115.6	130.9	103.9	118.9	130.5	111.2	114.3	105.6	115.1	119.4
ARF3	7.1	7.2	7.7	8.3	9.4	8.4	7.6	7.6	11.0	7.8	7.4	7.7	8.9	9.3	15.3	8.1	8.6	9.2	9.1	11.9
ARF4	21.3	21.5	24.0	25.6	29.4	22.9	19.3	24.9	33.8	27.1	27.8	31.1	38.7	46.2	47.6	29.2	34.0	31.3	29.6	41.3
ARF5	27.5	29.9	28.0	36.8	37.3	31.1	29.2	24.9	31.3	27.1	31.3	33.8	33.7	33.2	37.4	30.7	33.0	28.3	29.1	30.4
ARF6	4.8	5.4	5.6	6.1	6.9	4.9	4.0	6.5	7.7	6.0	5.5	5.9	7.9	8.2	9.3	6.5	6.6	5.5	5.2	8.4
ARFGAP1	6.0	6.3	5.5	6.4	8.3	6.9	5.8	5.3	8.6	6.6	8.3	8.6	7.9	9.6	10.3	6.0	8.1	6.1	7.1	8.3
ARFGAP2	13.0	19.0	14.3	12.5	15.7	18.5	11.4	14.3	18.4	15.8	18.7	19.6	18.6	19.1	18.5	14.5	18.8	15.3	16.1	16.6
ARFGAP3	5.5	6.6	6.1	6.2	7.7	7.2	5.9	6.8	7.0	7.0	5.3	6.3	5.5	8.5	8.5	6.5	5.6	6.2	5.1	8.1
ARFGEF1	4.4	4.0	3.3	4.0	3.6	3.1	3.2	4.0	4.5	3.2	3.6	2.7	2.9	4.4	2.3	3.1	4.1	3.9	3.5	5.4
ARFGEF2	6.4	5.6	6.6	5.4	5.9	5.5	5.3	7.4	8.5	5.6	7.0	4.7	4.0	6.9	2.5	5.2	6.4	7.5	6.6	7.4
ARFIP1	2.7	2.7	2.6	2.9	3.3	3.1	2.4	2.6	4.1	2.9	2.2	3.7	3.7	4.3	4.3	3.0	3.5	4.0	2.6	5.1
ARFIP2	2.8	3.2	2.9	4.1	4.2	3.3	3.4	3.9	4.3	3.1	2.9	3.7	4.4	5.9	6.0	3.0	3.9	2.9	3.1	4.8
ARFRP1	5.0	5.4	5.1	5.1	6.5	5.1	5.1	4.7	5.8	5.6	6.9	6.8	4.7	5.7	6.6	5.4	4.5	5.4	5.7	5.9
ARG2	1.7	1.4	2.0	3.4	2.6	1.3	1.3	1.6	1.7	3.2	1.9	3.4	1.7	6.1	1.2	3.0	2.8	2.1	2.4	1.6
ARGLU1	17.7	19.9	15.5	16.9	21.9	19.1	14.2	16.9	25.4	20.9	21.9	21.7	17.1	19.5	24.7	18.1	18.2	22.0	23.4	32.3
ARHGAP1	14.9	20.5	18.0	16.2	21.6	22.0	12.1	16.6	26.5	19.9	41.6	33.0	25.9	35.1	45.2	20.9	25.1	31.8	21.9	31.6
ARHGAP10	13.7	19.8	13.0	11.5	14.5	14.5	14.8	14.6	11.1	12.4	13.0	13.4	16.8	17.5	15.5	15.6	14.2	13.0	12.1	12.1
ARHGAP12	5.5	5.4	4.6	4.1	5.3	4.7	3.7	5.6	5.8	4.6	5.8	4.7	5.2	6.3	4.8	4.2	5.1	5.8	4.4	7.9
ARHGAP15	0.5	0.7	0.8	0.8	1.3	1.0	1.0	0.8	0.9	0.8	1.0	0.9	1.7	1.7	3.2	1.3	1.1	0.7	1.1	1.7
ARHGAP17	10.2	8.1	10.2	8.8	8.9	8.6	7.8	7.6	13.0	11.4	12.8	11.2	12.2	11.8	14.3	14.2	11.9	9.8	10.6	10.3
ARHGAP18	2.3	1.1	1.5	1.3	2.0	1.7	1.7	1.8	2.1	1.3	1.4	0.7	2.9	1.1	2.5	1.4	2.3	1.7	2.1	3.4
ARHGAP21	10.6	11.4	9.7	18.1	11.8	9.7	9.6	11.7	13.7	9.1	10.5	6.6	11.6	15.3	12.5	9.7	11.5	10.1	10.6	18.7
ARHGAP23	9.7	10.3	9.8	8.9	12.0	6.9	7.0	7.4	10.0	8.9	9.5	9.0	9.5	10.0	12.0	9.2	9.7	7.7	8.2	9.8
ARHGAP24	3.1	4.6	1.3	2.7	4.3	3.9	3.5	3.8	4.4	5.4	4.7	4.8	5.3	8.5	5.4	4.6	7.6	5.1	4.0	5.7
ARHGAP25	1.7	1.3	1.0	1.2	1.2	1.9	2.0	1.5	1.8	1.3	2.4	1.8	3.2	1.5	3.4	0.7	1.5	1.3	1.4	2.9
ARHGAP26	5.8	7.2	4.3	3.9	6.6	4.5	4.1	5.7	5.3	5.0	5.3	3.7	4.8	4.1	2.1	5.3	4.2	5.0	5.2	5.0
ARHGAP27	5.5	6.0	4.8	6.2	4.3	5.5	5.9	5.0	6.0	4.7	4.0	5.1	3.8	4.6	4.0	5.5	4.0	4.0	6.2	4.5
ARHGAP29	6.4	4.7	4.4	4.3	6.5	5.8	4.3	5.5	5.4	3.5	4.8	3.2	3.9	4.1	4.6	3.2	4.2	5.0	5.3	7.4
ARHGAP31	9.1	8.1	6.2	9.6	8.0	7.4	7.2	8.5	8.1	6.9	6.9	6.7	6.8	7.4	7.3	7.5	6.9	6.5	8.5	7.3
ARHGAP4	2.5	2.3	2.1	3.8	4.2	3.4	2.6	2.7	3.6	1.9	2.3	2.6	3.9	2.9	3.7	2.2	4.7	2.2	3.1	3.4
ARHGAP5	7.7	6.5	6.9	6.8	6.7	5.3	5.8	7.1	9.6	5.8	6.9	4.4	5.9	9.7	4.0	4.9	6.8	6.9	6.4	9.1
ARHGAP6	0.9	1.3	1.8	2.2	1.6	2.3	1.6	1.9	2.4	1.4	1.5	1.2	1.9	0.9	2.9	1.3	1.5	1.4	1.3	2.0
ARHGDIA	23.8	28.6	32.0	43.8	37.9	28.3	26.7	28.6	37.7	31.5	26.8	32.1	32.7	38.3	58.4	30.5	38.0	27.0	32.5	36.5
ARHGDIB	20.7	20.8	24.4	28.9	41.8	31.4	31.8	30.8	44.7	23.7	21.4	21.8	41.5	33.9	66.1	24.8	33.8	25.2	33.6	49.3
ARHGDIG	4.6	0.2	2.7	0.6	0.6	0.9	0.8	1.1	1.2	1.0	4.6	0.8	1.3	2.3	2.0	1.9	1.3	3.8	2.3	1.8
ARHGEF1	7.0	7.4	6.5	6.5	11.4	9.8	6.7	7.3	10.1	7.8	6.5	7.6	9.7	8.2	13.8	8.4	9.3	7.2	8.3	10.7
ARHGEF10	5.8	4.9	5.0	6.4	7.3	4.3	3.8	5.0	6.7	4.3	4.8	4.6	5.4	5.8	6.4	4.6	4.8	4.2	5.7	6.1
ARHGEF10L	7.7	12.2	9.2	9.1	17.0	11.0	10.9	11.9	12.5	8.5	11.6	11.1	9.9	14.6	12.6	9.6	8.9	9.8	9.3	11.8
ARHGEF11	5.7	5.9	5.4	6.4	6.9	5.3	5.1	5.8	7.8	5.9	6.1	6.2	7.0	6.8	7.2	6.6	6.7	6.4	5.0	8.0
ARHGEF12	14.7	12.1	15.7	11.9	14.5	11.9	9.4	14.6	23.9	17.6	16.7	14.7	11.7	23.3	9.6	13.5	21.6	17.9	18.4	19.0
ARHGEF15	6.3	5.1	4.7	5.8	6.5	5.3	5.8	5.7	8.7	7.2	7.0	7.0	6.2	4.4	9.9	5.3	4.7	6.1	8.6	7.4
ARHGEF17	11.0	14.3	11.2	16.7	14.0	12.7	11.3	12.1	15.7	10.7	11.7	12.1	11.5	16.7	17.6	10.6	12.5	11.2	11.2	14.9
ARHGEF2	9.8	6.6	6.3	6.4	9.4	9.7	5.2	9.6	12.3	8.1	9.2	9.9	10.3	10.3	15.7	8.9	7.7	8.8	9.5	13.9

ANAPC13	24.4	29.3	35.7	27.6	22.3	21.8	24.0	29.5	27.4	35.3	29.3	30.8	23.9	28.5	28.5	26.2	26.6	35.8	33.3	25.9
ANAPC16	32.2	28.2	30.0	29.7	21.1	26.2	34.3	31.6	19.1	35.0	24.3	25.5	25.7	33.8	35.9	26.6	39.2	25.6	30.5	27.7
ANAPC2	5.5	5.5	5.7	6.0	4.4	5.0	6.5	6.4	4.0	6.9	5.7	5.7	8.5	5.9	5.7	6.1	6.4	4.9	6.7	4.9
ANAPC4	4.6	4.2	4.4	4.4	3.3	3.7	3.6	3.3	3.9	4.2	4.3	3.7	6.0	4.2	2.9	3.8	4.5	3.2	4.0	4.2
ANAPC5	20.5	20.5	15.7	20.0	18.1	19.8	21.0	19.5	16.6	19.0	17.0	17.4	25.0	22.3	19.0	19.4	21.8	20.1	19.1	20.0
ANAPC7	9.0	8.6	6.7	7.8	6.2	7.2	8.9	8.7	6.8	7.9	8.3	8.3	8.3	8.1	6.3	7.8	8.6	8.3	8.3	8.7
ANG	3.9	2.0	2.2	1.5	2.1	3.7	1.8	1.4	3.5	3.9	1.4	2.4	7.2	2.7	2.1	2.5	2.3	2.7	3.5	2.8
ANGEL1	4.8	4.1	3.9	3.9	2.4	3.8	3.7	4.0	3.2	3.3	3.5	3.7	5.9	4.3	3.6	3.2	5.0	2.9	3.4	4.2
ANGPTL1	7.8	6.8	5.3	4.1	5.2	6.1	8.3	6.4	4.2	4.3	3.9	7.0	8.0	9.9	2.4	9.7	6.5	9.4	6.5	4.2
ANGPTL2	17.3	14.8	10.5	11.2	6.2	25.4	6.8	14.1	14.2	8.2	7.1	13.5	12.5	8.8	7.6	6.1	7.5	6.3	6.6	12.5
ANGPTL4	18.7	4.7	4.8	1.3	3.4	2.8	7.0	1.9	2.3	2.9	0.4	2.6	14.0	5.1	4.9	1.8	9.2	6.4	6.6	9.4
ANGPTL5	2.5	0.4	0.4	0.2	0.3	1.4	0.5	1.0	1.3	1.6	0.2	1.0	1.4	1.5	0.4	1.0	1.2	0.3	0.4	0.6
ANK1	10.8	16.5	19.1	13.7	16.8	15.7	22.0	25.6	11.1	22.0	22.1	27.8	5.9	13.6	18.0	18.6	15.4	18.3	19.2	16.4
ANK2	14.9	21.4	21.5	21.9	17.1	15.4	17.2	18.0	9.6	11.8	12.4	16.3	11.1	21.6	21.1	20.0	18.2	13.3	15.6	25.3
ANK3	12.5	14.1	15.6	16.7	10.7	10.6	23.4	17.8	6.3	8.2	12.3	12.1	10.6	15.0	16.8	17.8	16.6	11.2	15.2	21.0
ANKFY1	5.8	5.2	5.1	6.2	4.2	6.0	5.8	5.5	3.1	4.1	4.6	4.4	9.1	7.4	5.5	6.3	7.1	5.9	6.1	5.8
ANKH	14.2	14.0	14.1	16.6	12.9	17.0	16.1	16.8	12.5	11.8	12.0	16.1	10.7	17.5	19.0	11.6	17.9	12.8	12.4	12.9
ANKHD1	5.5	5.1	6.3	4.9	3.6	7.2	6.5	4.6	2.6	3.9	5.6	5.8	8.8	5.5	7.1	6.1	5.4	4.5	5.7	6.9
ANKHD1-EIF4EBP3	3.7	3.9	3.9	4.8	2.4	2.3	4.1	4.4	1.9	2.2	3.1	3.4	6.0	5.1	2.2	4.2	5.2	3.3	4.3	4.7
ANKIB1	3.9	3.3	3.2	3.7	2.4	3.3	3.4	3.1	1.9	2.5	3.5	3.3	5.6	5.5	3.1	4.2	5.9	4.4	3.3	3.9
ANKLE2	7.1	6.4	6.0	5.5	5.7	6.3	6.9	7.1	5.1	6.4	5.0	6.2	11.1	8.2	6.3	6.2	7.7	7.2	7.1	6.0
ANKMY2	9.7	9.7	13.7	11.7	7.9	8.6	7.6	12.5	6.7	9.9	7.9	9.9	6.7	8.1	8.7	7.1	9.9	6.8	8.3	11.8
ANKRA2	3.6	2.5	3.6	2.9	3.6	1.7	4.6	3.1	2.4	2.2	2.8	4.0	4.7	3.1	1.9	3.0	3.9	2.7	4.1	3.6
ANKRD1	2532.5	2139.1	3281.4	1467.9	1023.0	1538.6	3079.4	3304.9	1339.2	2099.6	2947.1	3588.4	2248.8	1661.8	1809.3	3963.9	3805.9	5012.3	2435.9	1091.4
ANKRD10	16.7	10.6	10.8	9.5	12.2	12.3	8.6	10.5	13.6	12.9	11.5	13.2	19.2	17.2	9.9	10.0	13.4	8.9	11.8	9.2
ANKRD11	9.4	8.5	9.3	8.1	6.6	7.9	7.8	8.8	6.0	6.0	6.7	7.7	12.0	10.6	8.1	8.5	9.2	8.0	10.4	8.6
ANKRD13A	4.2	4.2	4.5	4.0	2.6	4.0	4.7	5.2	3.5	4.0	5.3	5.7	7.6	4.6	4.3	5.0	4.2	9.9	5.5	4.8
ANKRD13D	4.6	3.6	3.5	3.2	2.8	3.7	2.6	1.7	3.3	3.5	2.9	3.6	6.4	3.4	1.6	2.8	3.9	3.7	2.9	2.5
ANKRD17	8.8	8.4	10.3	9.0	7.2	8.3	9.2	9.5	4.5	5.5	8.6	9.0	11.3	11.2	8.2	14.0	13.1	11.1	8.7	10.6
ANKRD2	87.0	27.5	58.8	6.0	18.8	21.9	195.7	83.5	31.4	49.1	382.2	89.4	24.6	53.9	34.3	376.8	235.6	308.8	257.6	14.8
ANKRD23	2.2	2.2	3.3	1.2	1.9	3.0	13.5	9.4	6.2	4.5	14.9	10.4	2.0	3.3	10.9	7.5	15.5	6.4	8.1	2.3
ANKRD27	3.6	3.7	3.7	3.9	2.6	3.5	4.1	3.6	3.0	3.3	3.2	3.9	5.7	4.4	3.8	2.9	3.9	4.8	5.7	3.6
ANKRD28	2.9	3.0	3.4	2.8	2.3	3.1	4.0	3.7	1.5	2.7	2.3	3.1	6.1	4.3	2.9	3.7	3.7	3.2	3.9	3.3
ANKRD29	2.5	1.7	2.8	1.8	1.7	2.9	1.6	1.9	2.7	1.4	2.3	2.6	4.8	2.8	1.3	1.7	3.1	1.4	2.1	2.4
ANKRD33B	2.0	2.7	3.4	4.1	1.0	4.0	1.7	2.7	1.2	1.6	2.4	1.5	0.9	1.6	1.1	1.3	1.4	1.8	2.0	2.8
ANKRD37	4.9	4.4	1.4	2.7	1.7	4.6	2.1	1.0	1.0	5.1	2.0	2.7	9.0	4.8	4.4	1.4	4.4	0.9	1.7	1.2
ANKRD39	5.2	5.4	5.3	5.8	4.5	4.9	5.1	5.9	5.8	5.9	5.2	5.8	4.4	4.7	5.8	4.1	3.9	4.7	4.9	5.9
ANKRD40	8.7	8.1	8.5	8.4	5.5	9.7	9.7	9.7	5.7	6.9	8.4	8.9	10.9	10.1	9.2	8.3	10.8	8.3	11.0	9.8
ANKRD46	6.0	4.4	4.8	4.9	4.3	3.3	5.5	7.1	3.4	4.9	5.0	6.2	4.0	5.8	4.1	5.0	7.7	5.4	5.2	5.2
ANKRD52	6.0	5.5	6.2	5.4	3.9	5.3	6.8	6.3	4.8	3.8	5.4	5.8	6.6	7.0	6.4	5.4	7.7	7.1	6.4	6.3
ANKRD54	2.3	2.1	2.5	2.4	2.0	1.8	2.1	2.2	1.4	2.5	1.8	2.5	2.6	3.0	2.0	2.0	2.8	2.3	2.6	2.1
ANKRD9	18.1	16.5	10.0	11.4	16.7	17.0	18.4	20.7	15.7	25.2	19.5	13.8	11.9	21.9	19.8	12.8	27.4	13.6	8.5	11.6
ANKS1A	6.9	6.8	5.9	6.8	7.2	8.3	8.9	8.6	6.5	11.2	7.1	7.7	11.9	11.8	9.3	9.7	10.3	7.9	12.0	6.3
ANKZF1	7.0	6.4	6.8	7.1	8.0	6.8	8.0	8.7	5.7	7.3	6.7	6.3	11.0	6.8	6.6	6.6	7.6	4.2	10.3	7.6
ANO1	5.3	6.1	4.6	4.1	3.1	7.7	2.7	6.8	8.9	5.2	5.2	8.1	4.7	6.1	4.5	4.5	5.9	3.4	3.3	4.9
ANO10	3.9	2.7	2.2	2.7	2.0	4.5	2.7	2.0	3.1	3.4	2.7	3.0	4.8	3.2	3.3	2.7	2.5	2.7	3.0	2.7
ANO5	7.0	8.2	7.3	9.1	7.6	7.6	6.6	7.6	4.3	5.9	5.9	6.7	5.2	12.9	11.2	7.2	12.8	5.1	9.0	10.6
ANO6	13.0	10.4	9.3	9.3	8.0	12.0	8.9	9.5	6.9	7.0	7.7	11.5	17.6	15.1	11.8	10.8	14.4	11.2	9.7	13.5
ANP32A	23.9	21.4	28.5	26.8	16.9	24.5	24.5	24.5	21.8	22.9	21.2	21.4	20.4	23.1	23.0	19.8	21.8	17.1	21.8	21.7
ANP32B	13.4	10.6	10.9	9.5	12.6	14.3	13.3	12.3	12.8	14.7	8.9	12.1	30.1	14.9	11.9	11.2	11.5	12.2	13.5	11.8
ANP32E	7.0	7.3	9.4	7.9	4.7	7.7	6.0	8.3	7.2	7.6	8.3	9.2	7.6	8.4	6.2	5.7	8.0	6.3	6.6	8.3
ANPEP	1.2	0.3	0.5	0.2	0.7	1.9	1.4	0.8	1.9	1.5	0.4	1.6	6.2	1.1	2.0	2.6	1.0	0.9	1.5	0.3
ANTXR1	12.3	10.6	7.2	5.4	7.1	22.6	7.1	9.1	11.5	4.9	4.6	9.9	23.1	18.6	6.8	11.3	9.6	7.6	9.9	10.3
ANTXR2	7.4	5.6	7.1	7.3	6.8	7.0	8.3	5.8	3.9	6.7	3.6	4.9	15.6	11.7	5.2	8.0	8.3	6.6	14.8	8.7
ANXA1	59.2	28.6	18.6	12.9	30.7	48.5	16.8	22.3	37.4	32.4	16.1	33.1	73.9	43.7	16.6	24.8	25.0	24.0	48.8	21.5
ANXA11	86.1	77.6	85.2	92.9	56.6	76.7	83.3	79.7	62.9	80.0	74.0	78.6	60.0	84.0	72.4	80.6	82.5	65.1	80.6	88.6
ANXA2	118.8	51.9	47.9	37.0	50.1	94.0	58.1	60.3	81.3	63.5	68.5	90.4	121.0	82.0	48.4	74.8	83.2	87.4	63.6	52.6
ANXA3	12.6	17.5	12.6	10.8	3.7	8.2	19.9	11.8	3.7	18.4	21.6	15.8	10.3	10.0	11.5	18.0	13.3	15.5	25.2	15.6
ANXA4	9.0	7.5	5.3	6.7	3.7	11.5	5.6	6.0	9.4	6.1	5.4	7.4	11.5	9.2	4.1	5.3	5.8	5.9	5.9	5.6
ANXA5	117.7	62.4	60.2	57.4	52.9	111.1	59.1	71.3	59.2	73.1	54.4	86.4	116.4	82.4	63.6	98.7	99.0	94.2	80.3	66.0
ANXA6	66.8	57.5	62.5	60.5	45.5	62.7	60.4	58.7	53.9	66.8	45.8	60.0	67.0	78.4	45.0	51.0	68.1	47.6	55.8	61.0
ANXA7	40.1	42.2	41.7	40.2	27.9	38.8	44.0	40.6	31.5	42.3	35.2	43.7	35.4	46.5	38.3	38.5	42.5	38.1	38.7	36.7
AOC3	20.9	3.4	4.1	3.0	4.0	6.4	2.3	4.9	5.7	4.5	3.8	3.2	16.0	4.9	2.2	2.7	2.7	3.3	5.7	3.8
AOX1	2.7	0.5	0.2	0.3	0.8	0.8	0.6	0.5	0.5	0.7	0.2	0.4	13.3	2.2	0.4	3.4	2.0	2.0	2.9	0.7
AP1AR	2.5	2.9	2.6	2.9	1.8	2.7	2.9	3.4	1.9	2.3	2.6	2.7	3.7	2.9	1.9	1.9	2.7	2.3	2.9	3.6
AP1B1	8.1	7.4	7.0	7.9	5.0	7.4	8.5	8.8	6.0	8.5	7.0	7.9	14.7	9.1	5.3	9.8	9.4	8.5	10.1	8.9
AP1G1	5.9	5.1	5.0	5.1	4.4	4.7	5.8	5.2	3.7	3.8	5.3	5.5	8.5	8.1	5.7	6.9	8.3	5.6	5.5	6.1
AP1G2	2.9	1.7	2.1	1.6	1.6	1.9	1.9	1.8	2.3	2.7	2.4	2.3	7.9	1.7	1.9	1.8	2.6	1.9	2.4	1.9
AP1M1	11.8	9.8	9.5	9.8	7.1	9.2	9.8	10.4	10.3	11.6	8.2	9.8	13.0	12.5	8.5	10.0	11.8	11.3	9.2	8.9
AP1S1	3.9	2.1	3.0	2.8	2.2	2.8	3.6	3.6	2.5	2.1	2.4	3.2	4.3	2.9	2.4	2.3	2.9	2.8	2.7	2.8
AP1S2	20.4	16.7	20.4	16.7	13.4	16.8	20.4	21.9	14.3	18.6	18.6	24.2	20.3	19.1	17.0	19.6	23.6	18.8	24.8	16.9
AP2A1	17.3	15.7	14.7	13.6	9.8	12.6	15.1	14.2	10.0	12.7	11.0	14.4	18.7	15.9	10.9	13.8	16.3	16.5	16.7	13.3
AP2A2	10.0	7.4	7.0	6.4	6.2	8.3	8.1	8.0	6.6	7.4	6.2	7.9	17.1	9.2	6.1	8.2	10.0	8.5	9.4	7.0
AP2B1	21.8	21.4	24.3	22.9	14.4	21.6	23.1	23.4	14.3	17.4	17.9	20.6	22.7	22.3	17.8	20.5	23.3	19.8	23.0	21.9
AP2M1	87.8	87.4	76.1	75.6	65.7	72.6	86.0	90.5	75.8	100.1	70.8	80.8	70.9	100.2	71.0	84.9	97.9	89.6	79.9	68.6
AP2S1	18.4	13.9	12.0	13.6	15.2	10.8	16.5	16.4	16.9	17.7	15.6	18.5	19.3	20.1	15.7	16.6	15.3	17.0	15.3	16.0
AP3B1	6.5	6.4	6.0	5.5	3.3	5.3	5.3	5.6	4.0	4.2	4.3	5.8	7.3	6.3	3.1	6.1	6.6	5.1	5.7	6.9
AP3D1	17.6	15.0	13.2	13.4	11.1	13.1	16.7	16.4	10.6	13.2	11.1	16.4	18.8	17.7	15.6	14.6	17.6	17.5	14.0	13.1
AP3M1	6.1	5.3	6.9	5.8	3.6	4.6	4.6	5.5	4.0	4.1	4.4	5.6	6.0	6.9	5.2	5.5	7.1	5.4	6.0	6.2
AP3M2	5.3	4.2	5.7	5.6	3.0	5.6	3.2	5.1	3.4	4.1	3.6	4.0	3.5	4.2	3.3	3.2	4.1	3.0	4.6	4.1
AP3S1	17.6	13.3	12.1	10.8	14.8	17.8	14.5	14.1	17.3	19.3	16.0	17.7	25.4	21.4	14.1	14.6	19.3	15.1	18.2	12.4
AP3S2	3.0	4.5	5.3	4.9	3.7	2.7	4.9	4.6	2.4	3.7	4.1	4.4	3.0	4.5	5.4	5.7	4.2	3.7	5.8	5.7
AP4B1	4.7	2.9	3.4	4.2	3.7	3.3	4.0	3.1	4.4	3.8	3.9	3.1	5.4	4.1	3.5	3.7	4.8	2.3	3.2	3.8
AP4M1	2.6	2.8	2.1	2.8	2.5	2.3	3.4	2.6	3.8	3.5	2.5	2.9	3.5	4.0	3.4	2.4	2.8	2.8	2.8	2.7
AP4S1	2.6	2.4	3.3	2.6	2.0	2.4	3.0	2.2	2.5	2.2	2.6	2.5	2.6	2.3	2.6	1.7	3.1	2.7	3.2	2.7
APBA3	2.4	1.6	2.0	2.0	1.6	1.9	1.8	2.8	1.8	1.8	2.1	2.5	3.2	2.8	2.5	2.0	2.9	2.3	2.6	1.9
APBB1	16.8	14.9	16.2	14.0	12.6	12.7	17.1	16.2	14.7	14.5	13.5	18.5	14.2	17.7	15.9	14.3	16.8	14.0	18.6	15.4
APBB1IP	3.6	0.6	0.3	0.6	0.1	0.6	0.2	0.6	0.5	0.6	0.2	0.5	5.7	0.4	0.2	0.8	0.6	0.6	0.7	0.7
APBB2	3.1	2.5	2.5	2.7	3.2	3.9	3.3	2.8	2.6	2.9	3.1	3.9	6.9	4.5	3.1	3.3	4.4	2.8	3.6	3.4
APBB3	5.3	4.3	5.3	4.4	3.2	5.4	5.4	4.7	4.2	5.1	5.7	2.5	6.9	4.8	4.1	2.7	4.7	2.1	3.6	3.0
APC	2.3	2.8	2.6	2.3	1.9	2.1	2.6	2.5	1.4	1.6	1.7	2.2	2.6	2.7	2.0	2.7	3.0	2.0	2.4	2.9
APCDD1	27.3	11.5	8.7	8.5	4.9	6.5	7.0	6.6	7.8	6.9	3.8	4.0	7.6	6.8	4.1	7.8	7.9	7.3	8.0	8.9
APEH	14.1	15.5	15.1	18.0	11.9	10.7	17.7	18.8	11.9	16.1	11.7	16.0	11.1	15.5	15.4	13.7	17.2	14.0	14.3	15.3
APEX1	21.5	23.5	18.2	21.3	21.6	19.3	27.2	20.6	16.4	24.6	16.9	22.2	27.2	22.2	20.8	21.0	23.6	18.6	20.4	21.3
APEX2	5.2	3.7	3.6	4.9	5.1	4.4	3.5	4.6	4.1	4.8	3.2	3.9	4.6	5.1	4.2	4.1	4.0	3.3	5.0	3.8
APH1A	19.3	17.5	15.4	16.2	15.3	16.3	19.0	15.6	14.3	19.5	14.2	15.3	27.6	20.8	20.5	15.7	19.1	13.2	17.7	16.1
API5	8.6	8.5	9.4	9.0	6.8	7.8	7.9	8.7	6.7	6.8	6.7	8.8	12.6	10.5	8.0	9.0	10.0	8.1	9.5	9.8
APIP	9.2	8.1	7.0	7.4	4.8	7.6	7.1	11.2	9.3	11.5	9.5	7.0	9.6	7.4	10.4	8.5	10.6	6.5	8.6	7.3
APLNR	3.3	6.3	4.3	2.4	1.5	2.7	0.7	3.5	2.6	2.9	3.9	2.7	1.9	1.3	1.0	1.8	1.7	1.2	3.2	5.1
APLP1	5.2	4.7	8.6	3.3	2.5	2.8	4.0	3.8	2.8	7.3	3.8	5.8	2.9	4.9	2.2	3.5	3.2	3.9	3.4	2.0
APLP2	111.4	101.1	101.2	83.0	84.8	86.1	100.0	88.7	65.5	93.0	72.5	79.0	86.6	119.5	88.7	82.4	103.8	105.2	102.3	86.3
APOA1	40.4	18.2	15.0	9.4	17.7	35.1	27.4	6.2	11.1	14.6	14.6	77.0	8.2	77.2	14.0	10.3	23.6	25.2	6.3	3.6
APOA1BP	24.2	27.7	26.9	30.6	22.8	20.1	31.4	29.8	23.5	29.1	23.8	25.9	18.9	23.2	29.5	27.4	25.2	27.8	27.0	30.8
APOB	2.4	2.7	1.6	2.2	2.1	1.3	0.9	1.2	0.5	0.6	1.0	1.2	3.4	0.6	1.7	2.9	2.4	1.1	1.5	2.6
APOBEC2	34.6	50.2	51.6	42.1	27.6	40.1	42.4	42.3	35.6	52.3	47.8	53.8	13.7	31.3	49.6	37.2	37.3	21.6	35.8	56.0
APOBEC3C	6.2	7.6	7.6	8.2	5.9	6.3	11.0	7.4	5.9	5.0	7.5	6.8	7.0	6.5	6.1	6.9	7.8	5.1	6.8	8.8
APOD	169.6	93.4	190.6	40.4	99.0	89.3	113.0	180.7	94.0	187.8	74.7	87.8	354.7	162.7	73.6	188.7	267.2	176.5	460.0	86.4
APOE	11.7	10.8	2.2	8.1	16.5	20.3	8.3	28.4	9.7	15.4	9.3	7.4	242.0	14.3	3.9	19.2	69.2	22.3	15.2	3.6
APOL1	4.8	3.2	3.6	6.5	1.8	4.0	2.8	4.1	5.6	4.5	4.1	5.4	6.3	4.2	2.8	2.5	4.0	2.7	5.1	4.9
APOL2	8.3	8.2	9.2	9.5	9.6	7.0	8.4	8.8	9.8	7.6	7.5	9.7	8.3	11.0	6.2	9.4	9.1	7.4	8.3	8.2
APOL3	10.4	9.0	7.7	14.5	6.2	7.6	8.3	7.3	10.7	10.4	14.1	10.3	17.4	7.3	8.6	8.8	9.2	7.6	12.7	11.0
APOLD1	3.8	10.1	2.6	2.0	19.9	33.2	17.4	24.0	5.7	50.8	17.6	28.5	103.8	27.6	5.9	24.7	14.8	20.8	27.2	15.2
APOO	13.1	11.6	15.7	12.8	12.4	10.8	14.0	14.0	8.3	14.0	14.2	13.3	7.2	11.9	13.7	11.2	11.8	10.9	10.6	13.3
APOOL	3.3	2.5	3.8	3.4	2.1	2.6	2.8	3.4	1.5	1.8	2.5	3.4	1.8	3.3	3.3	3.2	3.4	2.0	3.3	4.2
APP	126.3	112.1	101.6	125.5	79.3	116.3	109.9	108.5	82.9	100.0	99.3	119.9	132.1	137.2	92.5	114.4	122.3	116.4	116.2	114.6
APPBP2	2.9	2.3	1.9	2.0	2.0	2.2	2.4	2.2	1.8	1.9	2.0	2.5	4.8	3.6	2.5	2.8	3.4	2.4	2.6	2.4
APPL1	6.4	5.6	7.3	6.9	4.4	6.6	6.1	7.5	4.0	5.0	5.4	6.8	6.5	7.2	7.2	5.3	6.8	4.1	5.7	7.3
APPL2	6.3	5.2	5.7	6.9	9.8	6.1	9.7	8.1	6.3	8.8	6.1	5.8	10.8	10.3	6.7	7.0	8.7	7.1	12.1	6.5
APRT	16.6	10.8	10.4	4.8	5.6	10.2	13.9	11.2	13.4	15.1	9.6	16.6	23.5	14.3	13.1	14.1	12.2	13.0	12.5	3.2
APTX	4.5	3.7	3.5	4.6	4.5	4.2	4.4	4.1	3.7	4.8	4.1	3.9	4.6	5.8	4.2	3.7	4.7	3.2	4.7	4.1
AQP1	59.2	75.3	50.4	55.4	31.7	56.2	106.4	93.0	37.7	100.1	116.0	69.6	107.4	99.2	97.7	120.8	122.7	92.2	148.4	90.3
AQP3	1.1	3.0	1.4	1.3	1.9	4.1	8.3	6.6	2.2	2.7	7.5	4.3	11.3	4.4	6.2	6.5	1.4	4.8	4.0	1.6
AQP4	0.6	0.3	0.7	0.6	0.1	0.1	0.7	0.7	0.1	0.6	2.3	1.7	0.6	0.1	0.5	1.1	0.7	0.2	1.0	2.3
AQP7	45.7	32.9	36.6	38.1	26.8	24.9	51.2	43.6	19.3	30.4	37.8	29.7	27.2	22.1	61.3	37.3	29.1	21.4	51.1	49.4
AQR	2.4	2.5	2.5	2.2	1.8	2.5	2.8	2.5	1.8	2.1	2.1	2.6	4.6	3.5	2.2	3.2	3.7	2.1	2.5	3.1
AR	4.0	3.9	6.3	2.6	1.1	2.5	2.3	2.8	0.5	1.4	2.5	1.6	1.5	2.1	2.2	3.5	2.7	1.9	1.8	5.0
ARAF	19.7	16.1	19.3	18.3	14.1	17.2	19.6	23.7	13.2	16.8	15.1	17.6	18.6	17.3	17.3	17.8	21.8	19.3	21.7	18.6
ARAP1	11.5	9.6	9.2	12.2	8.3	9.3	7.9	9.4	9.4	7.9	5.5	8.0	12.3	9.3	8.7	7.3	7.3	6.6	8.8	10.6
ARAP3	6.1	4.7	5.0	5.1	3.3	5.1	6.3	6.0	3.6	4.9	6.6	6.3	8.9	7.5	5.5	4.4	5.7	5.9	5.4	4.5
ARCN1	22.3	19.7	19.1	19.5	14.2	21.3	21.3	21.7	15.6	20.0	14.9	22.6	26.6	29.9	16.1	19.3	28.5	22.0	21.0	21.4
AREG	0.7	0.4	1.5	0.2	5.3	3.3	15.3	3.7	0.2	9.4	1.6	3.9	93.9	11.1	29.9	24.2	23.8	5.5	20.8	1.4
ARF1	120.1	114.4	108.9	116.0	93.0	106.0	112.6	120.8	93.8	118.2	91.7	110.1	118.7	134.9	104.3	103.0	124.4	116.7	114.1	103.1
ARF3	11.2	8.9	7.2	7.8	7.6	9.8	7.9	8.8	9.5	7.7	7.0	10.4	15.8	10.5	8.2	8.6	8.6	9.2	10.4	8.0
ARF4	38.3	26.6	28.7	27.9	22.7	37.4	26.5	26.9	34.3	37.5	22.6	39.1	38.5	47.9	28.4	33.0	35.7	35.2	30.1	25.9
ARF5	33.6	29.2	29.3	26.7	28.4	30.3	33.2	37.8	31.0	33.2	30.1	32.4	36.3	34.9	35.1	28.5	35.6	32.0	32.8	26.8
ARF6	7.6	5.8	5.8	5.1	4.8	7.4	6.2	6.4	5.3	6.3	5.1	7.1	13.5	8.5	5.6	6.9	7.6	7.2	7.4	7.0
ARFGAP1	7.6	6.2	6.1	5.8	7.7	8.2	7.6	9.1	7.0	9.7	7.8	8.0	12.6	10.3	7.3	7.0	8.5	8.0	8.3	6.7
ARFGAP2	17.9	15.7	17.8	18.3	14.5	12.7	19.6	19.5	11.9	15.5	18.5	14.2	19.6	17.1	15.6	15.6	17.2	14.2	18.1	16.8
ARFGAP3	6.2	6.6	5.9	5.3	5.2	10.3	5.5	5.5	4.9	6.8	5.3	8.1	9.8	9.3	6.3	6.7	8.0	6.8	7.2	5.1
ARFGEF1	3.0	3.3	3.5	3.2	3.2	3.2	4.1	3.7	2.4	2.5	2.7	3.2	5.5	4.4	3.8	4.7	4.6	3.7	3.9	5.0
ARFGEF2	5.1	4.7	6.2	5.1	4.9	3.8	5.0	5.2	2.7	3.4	3.6	4.2	6.5	6.7	4.8	6.6	7.7	3.8	5.0	7.0
ARFIP1	3.9	3.3	3.1	4.3	2.6	4.0	3.1	4.0	2.7	3.1	3.0	3.8	4.8	4.5	3.1	3.2	4.3	3.4	3.8	4.1
ARFIP2	3.2	3.5	2.8	3.6	3.4	3.0	3.5	4.1	2.5	4.4	3.2	4.2	5.2	3.8	3.4	3.5	3.6	4.2	4.3	4.3
ARFRP1	5.0	5.2	6.6	5.7	5.1	6.7	6.6	5.8	4.6	7.3	5.4	5.9	6.4	6.7	6.3	6.3	5.8	4.4	6.4	5.1
ARG2	2.3	1.6	2.1	1.7	2.1	1.7	4.7	2.3	0.8	2.0	1.4	2.9	5.3	3.6	8.2	4.0	5.9	1.7	2.9	2.3
ARGLU1	20.1	17.8	20.2	20.6	17.7	25.6	21.3	19.4	11.7	12.1	21.3	19.5	39.2	29.3	25.3	23.8	26.6	18.2	22.8	24.2
ARHGAP1	24.5	33.9	25.3	32.7	20.1	27.2	30.9	33.0	23.4	33.0	23.6	29.4	22.6	33.2	16.0	21.1	18.9	25.2	22.4	23.0
ARHGAP10	17.0	14.7	15.8	12.1	12.6	12.2	18.6	17.1	9.3	19.2	12.8	11.0	23.6	17.3	13.4	16.0	20.4	16.6	25.3	15.1
ARHGAP12	4.1	4.6	5.2	5.2	4.1	4.7	4.1	5.0	4.2	3.0	3.4	3.2	5.1	4.8	3.1	4.0	5.3	3.6	4.3	6.3
ARHGAP15	1.5	1.2	0.7	1.5	0.9	1.6	1.0	0.9	1.8	1.7	0.9	1.8	3.8	1.1	0.8	1.0	1.2	0.9	1.0	0.9
ARHGAP17	11.1	10.4	10.5	10.8	13.8	14.1	11.6	14.7	8.7	14.0	12.7	10.5	20.7	14.4	12.7	14.7	12.4	11.1	18.9	12.0
ARHGAP18	1.8	1.5	1.2	1.4	1.8	4.1	2.2	3.0	1.7	1.9	1.3	2.6	6.8	3.6	1.7	2.2	3.1	1.8	2.3	3.0
ARHGAP21	12.1	12.7	10.2	10.3	8.9	13.5	9.4	11.2	7.5	8.0	9.6	10.7	16.6	13.6	9.8	11.7	16.2	9.1	10.9	13.8
ARHGAP23	9.8	11.0	13.5	8.2	5.3	7.3	9.4	9.6	6.7	5.4	8.7	9.2	9.7	8.3	5.9	7.1	10.3	11.2	7.6	8.5
ARHGAP24	5.8	4.9	3.9	5.5	5.2	6.1	4.5	4.7	3.5	4.2	3.3	4.2	8.4	6.3	3.6	6.6	4.4	4.9	8.8	5.0
ARHGAP25	2.2	2.1	1.9	1.9	0.6	1.1	1.0	1.5	1.8	1.7	1.4	1.9	6.1	1.0	0.9	1.0	1.7	1.2	1.8	2.7
ARHGAP26	4.7	5.6	5.6	5.0	4.7	3.7	7.7	5.0	2.0	3.9	4.7	4.1	9.4	9.3	5.0	10.5	9.4	7.8	10.6	6.2
ARHGAP27	5.2	5.5	4.4	3.8	3.2	3.9	5.4	4.9	1.9	5.0	5.1	4.4	8.1	4.7	3.8	4.2	5.7	3.4	5.7	4.2
ARHGAP29	5.0	5.6	4.6	4.5	2.3	4.1	3.5	3.1	2.0	2.7	4.4	3.5	7.0	3.7	3.8	4.2	4.6	3.4	3.3	7.4
ARHGAP31	8.1	7.3	7.2	8.1	3.8	5.0	6.3	6.0	3.2	3.8	6.0	6.5	8.8	7.7	5.9	5.3	7.9	4.6	8.7	9.0
ARHGAP4	3.7	2.3	1.6	2.8	1.6	2.5	1.5	2.5	2.5	3.0	2.1	3.0	11.1	2.5	2.0	2.0	2.7	2.4	1.5	2.0
ARHGAP5	6.0	6.3	7.2	6.0	4.0	5.7	5.1	6.4	3.4	4.1	6.5	6.2	5.2	6.8	5.4	6.8	8.4	6.8	5.7	9.3
ARHGAP6	1.8	1.5	1.8	1.3	1.6	2.6	1.8	1.7	1.8	1.2	1.6	1.8	5.0	3.0	2.0	2.2	2.4	1.6	2.1	1.9
ARHGDIA	40.2	28.1	28.7	28.0	32.6	41.4	30.3	35.2	27.2	40.1	27.7	39.7	65.8	42.7	29.2	31.1	33.3	37.7	34.6	25.7
ARHGDIB	39.2	25.8	27.8	24.9	21.3	37.2	19.4	30.5	38.0	35.3	21.5	38.6	91.2	28.2	22.7	33.5	26.1	22.5	29.1	25.6
ARHGDIG	2.0	1.4	0.9	0.3	1.5	0.7	2.4	0.6	0.9	2.1	1.5	1.5	0.4	3.2	1.8	1.6	1.6	1.3	1.2	0.4
ARHGEF1	10.7	7.8	7.1	7.4	7.6	8.8	8.0	9.3	7.3	8.8	8.3	9.5	31.7	9.5	7.5	8.6	10.1	8.9	9.3	7.2
ARHGEF10	6.0	5.0	5.9	4.5	2.9	6.5	4.2	5.4	4.0	3.9	5.6	5.4	6.0	6.0	4.9	4.5	6.6	5.1	5.0	5.6
ARHGEF10L	8.9	9.5	9.9	10.4	10.5	9.3	11.1	14.4	8.4	11.4	10.4	11.2	9.3	12.5	7.5	10.8	12.6	17.5	14.5	9.1
ARHGEF11	6.4	6.0	6.5	6.7	5.2	6.2	6.2	6.8	5.1	4.9	4.8	5.8	7.2	7.7	4.1	7.1	7.2	8.1	6.3	6.6
ARHGEF12	12.6	15.1	16.2	15.0	11.7	12.0	13.0	14.0	7.7	8.3	13.3	16.3	15.6	18.0	19.5	20.0	18.2	14.8	13.3	19.4
ARHGEF15	7.5	5.8	6.7	7.6	2.8	4.0	3.8	5.6	4.8	3.3	8.5	7.6	10.0	5.9	5.1	4.0	6.6	5.1	5.8	8.4
ARHGEF17	12.2	12.5	12.0	11.8	7.8	12.7	11.1	14.3	12.5	9.7	12.4	14.9	12.5	13.3	8.4	13.8	14.0	16.5	13.7	11.9
ARHGEF2	11.7	8.9	10.1	10.0	6.1	9.3	8.4	10.5	7.9	6.6	7.5	8.9	15.0	11.2	6.1	6.3	9.5	10.2	9.8	9.9

ARHGEF25	5.5	5.5	2.8	4.1	7.0	6.0	5.2	5.2	6.9	4.6	5.6	6.3	5.7	10.2	13.7	5.4	5.3	4.7	6.2	9.1	7.8	6.1	5.8	5.9	6.2	5.6	6.5	5.6	6.7	7.6	8.0	7.0	8.9	5.5	6.6	4.3	5.9	3.7	7.4	5.7
ARHGEF3	4.6	4.4	3.0	3.3	3.9	3.9	3.5	2.8	5.8	4.7	4.7	3.9	5.6	6.5	5.1	6.4	4.7	4.1	5.0	5.1	4.3	4.1	4.8	4.6	2.3	4.3	4.3	6.5	2.5	4.6	3.9	4.6	6.4	3.6	2.5	3.6	4.4	2.4	4.3	5.5
ARHGEF37	4.6	3.3	3.0	4.8	4.5	3.5	3.2	4.4	4.3	3.3	4.6	2.9	4.4	3.6	5.6	3.8	3.8	3.0	3.6	5.4	3.5	3.6	4.1	4.1	2.5	3.0	4.0	3.6	3.0	2.9	2.7	3.0	2.5	2.9	2.8	3.5	3.3	2.3	4.0	4.4
ARHGEF40	4.2	4.3	3.2	3.6	5.1	4.6	2.7	4.2	6.6	4.1	4.3	4.1	4.9	5.8	8.3	3.6	5.2	4.5	4.7	7.5	6.9	4.8	3.6	3.9	3.3	5.2	3.8	4.8	5.4	3.5	4.8	7.3	5.6	6.2	4.3	5.5	5.8	5.6	3.4	4.8
ARHGEF6	13.6	14.4	15.8	11.3	12.1	9.6	9.0	13.1	14.0	14.1	11.1	11.0	12.1	14.8	10.9	11.6	16.5	19.4	15.7	14.8	13.3	14.9	15.7	14.5	8.3	11.6	10.6	15.0	8.8	8.8	14.4	12.2	10.9	16.7	9.9	14.4	14.2	14.5	13.1	16.9
ARHGEF7	8.5	8.8	8.7	8.6	11.0	7.2	7.2	8.6	11.6	7.5	8.9	7.6	8.4	9.3	8.9	12.1	8.9	9.5	10.0	12.4	11.2	8.7	9.6	8.4	9.7	14.1	10.1	9.5	6.4	12.3	9.7	11.6	18.1	13.2	13.4	11.9	13.1	9.5	12.5	11.2
ARHGEF9	6.4	8.5	7.0	6.5	8.5	6.8	6.9	9.2	9.4	7.6	8.9	10.2	8.3	10.1	10.4	9.0	11.7	10.3	8.8	10.5	8.5	9.6	9.5	10.5	7.0	7.0	9.0	8.5	6.7	7.4	6.0	7.7	7.0	10.8	8.0	7.6	8.3	10.3	8.4	8.2
ARID1A	6.5	7.1	7.3	6.1	8.0	6.5	5.4	7.3	8.9	7.8	6.5	7.3	7.2	8.8	8.3	7.5	8.0	7.2	7.9	8.3	8.7	7.2	9.2	7.6	5.4	8.1	8.9	8.0	4.7	4.3	6.6	7.5	10.2	9.9	6.4	8.6	11.9	8.3	8.5	8.9
ARID1B	4.4	4.8	3.5	4.5	6.4	4.9	3.8	5.5	5.8	4.3	4.8	4.5	4.6	5.4	4.5	5.0	4.6	5.2	5.0	6.3	5.0	4.7	5.0	4.9	4.2	5.8	4.4	4.6	2.9	3.3	4.1	5.0	8.6	6.4	4.3	5.5	6.6	5.1	5.6	6.2
ARID4A	3.1	3.1	2.6	2.5	3.1	3.3	2.9	3.1	4.4	3.6	3.3	2.9	3.9	4.2	2.5	2.9	4.3	3.1	3.2	4.8	3.0	3.2	3.6	3.1	3.3	3.3	3.4	2.9	2.2	2.2	2.6	3.0	5.2	3.9	2.7	3.9	3.4	2.9	3.8	4.7
ARID4B	2.9	3.1	2.7	2.9	2.9	3.5	2.9	3.2	4.0	3.1	3.2	2.6	3.4	3.6	2.8	3.0	3.0	4.1	3.5	5.2	3.3	2.8	3.7	3.2	3.0	3.3	3.2	3.0	2.0	2.6	3.0	2.8	6.4	4.7	3.1	4.1	4.6	3.0	4.4	4.0
ARID5A	3.3	4.2	6.6	4.5	13.6	8.1	5.6	5.8	12.8	14.3	8.0	10.9	12.4	11.7	23.5	9.2	18.8	10.9	9.9	10.9	7.4	7.0	6.6	5.5	16.6	19.2	14.4	14.6	8.6	20.2	15.6	23.3	52.8	26.2	11.5	26.6	16.5	18.0	21.0	6.7
ARID5B	3.5	3.5	3.5	3.8	8.3	3.6	8.9	3.4	6.2	8.0	6.6	5.0	7.4	7.8	5.6	9.8	11.6	12.0	8.7	13.6	4.3	6.4	4.7	3.8	12.7	15.9	8.0	7.0	3.9	7.6	3.7	5.5	38.7	15.4	7.5	11.6	15.1	6.6	14.0	7.0
ARIH1	11.4	10.5	9.8	10.8	9.7	8.6	8.9	10.8	11.5	9.9	10.4	9.0	10.1	12.3	8.7	11.5	9.4	10.7	9.4	11.2	8.5	9.9	10.8	10.2	8.3	10.7	11.0	10.4	7.0	8.1	8.2	10.7	12.9	11.4	9.5	9.9	11.5	9.2	11.0	11.5
ARIH2	29.7	27.7	26.3	22.2	34.8	25.7	21.6	27.2	28.3	36.2	28.7	39.9	40.8	28.3	28.2	28.3	34.8	30.0	31.5	25.3	29.4	30.3	36.4	42.2	27.2	26.7	47.1	32.4	25.9	22.2	21.9	29.4	29.8	31.0	45.4	28.3	31.9	26.6	38.0	40.5
ARL1	11.4	10.5	13.1	11.9	11.4	11.5	9.9	14.0	13.9	11.0	14.2	12.4	12.2	13.3	12.7	13.0	11.3	15.3	11.6	15.4	13.8	14.2	13.9	13.4	9.2	13.6	15.7	15.7	9.1	9.0	9.6	13.6	10.8	14.4	12.4	11.0	13.9	12.3	12.6	14.1
ARL15	3.1	2.9	2.0	3.5	3.0	3.7	2.7	3.6	4.9	4.1	3.6	3.4	3.9	4.3	4.2	4.8	3.2	4.5	3.7	6.7	4.1	3.6	3.7	3.6	3.4	8.1	3.4	4.1	2.8	3.4	3.1	3.8	9.1	7.5	4.2	4.1	6.0	2.7	4.9	4.7
ARL16	3.1	3.8	2.5	2.5	3.5	3.1	2.6	3.6	3.7	2.9	4.2	4.9	4.2	5.5	4.5	4.0	3.1	3.0	2.5	4.5	4.4	3.7	3.1	4.1	1.8	2.9	3.0	4.6	3.3	4.8	2.4	3.9	5.3	4.1	2.8	2.4	4.4	3.3	4.5	4.6
ARL2	35.3	35.8	38.5	43.5	52.2	36.2	35.3	40.9	39.1	35.1	40.2	45.1	39.7	51.5	56.3	37.3	45.0	37.3	43.5	44.0	40.3	39.9	37.8	42.3	35.6	41.4	42.5	51.1	36.3	37.8	34.8	40.1	33.8	43.7	37.5	34.4	37.3	34.9	31.6	34.4
ARL2BP	12.0	13.7	12.9	16.5	16.4	11.5	11.1	15.0	15.3	12.4	13.2	12.8	17.9	18.1	18.1	14.3	11.8	12.6	12.9	15.3	16.1	14.2	16.1	12.1	11.3	11.5	15.6	13.6	13.4	14.1	11.9	13.7	14.1	16.2	12.9	14.4	16.4	14.9	19.4	12.4
ARL3	4.2	5.0	4.1	5.5	5.1	5.6	5.0	4.8	4.5	4.5	4.8	4.7	5.2	5.1	5.3	4.3	4.4	4.8	4.5	4.8	4.5	4.3	5.1	4.9	4.1	4.8	5.1	4.7	3.2	4.8	4.2	4.8	3.8	4.3	4.9	3.9	5.1	3.9	5.2	4.7
ARL4A	1.1	1.9	1.3	2.5	2.6	1.8	1.4	1.7	2.5	1.5	1.3	1.7	2.0	2.6	3.2	1.5	1.8	1.9	1.3	1.8	2.4	1.4	1.6	2.3	0.9	2.2	1.7	2.5	1.9	2.0	2.3	2.6	4.3	1.6	1.1	2.3	1.8	1.4	2.1	2.2
ARL4D	1.8	1.6	1.8	2.0	1.5	1.6	1.1	1.8	2.3	1.8	1.4	1.6	1.4	1.4	4.7	1.9	1.0	1.8	1.5	2.0	2.8	1.4	1.0	1.0	1.8	1.9	2.9	1.8	2.0	1.3	0.8	1.5	3.6	2.7	3.2	1.9	2.0	2.1	3.6	1.3
ARL5A	10.4	11.0	8.0	10.1	11.7	10.8	8.7	10.6	12.8	9.5	9.4	12.2	12.4	15.3	8.8	10.5	9.9	12.8	8.0	13.5	11.4	10.2	11.4	11.4	7.9	9.1	9.2	9.1	7.9	7.7	7.6	12.0	8.7	12.5	11.2	9.2	11.6	8.7	11.5	10.6
ARL6IP1	8.3	11.6	4.9	5.0	10.7	12.7	7.3	13.6	9.6	5.9	6.9	7.1	12.9	10.9	17.9	10.0	8.1	9.4	9.1	14.4	18.0	9.2	8.0	8.0	9.6	10.0	12.9	7.9	7.0	15.9	11.6	9.4	35.1	16.7	12.7	14.7	10.9	9.7	23.2	10.4
ARL6IP4	8.9	8.7	6.9	7.5	7.3	5.3	8.5	7.2	9.5	6.7	8.5	11.3	6.7	5.0	10.1	7.8	7.6	7.9	8.2	9.7	6.4	5.3	7.4	8.0	8.4	7.1	8.7	9.9	4.8	8.0	8.7	8.5	10.0	10.7	9.8	7.6	6.1	5.4	7.8	5.2
ARL6IP5	72.5	74.9	66.2	72.5	91.7	67.1	77.4	70.4	77.7	55.1	76.3	80.4	76.8	90.8	84.2	76.9	66.7	74.2	69.6	77.7	73.9	77.9	73.5	68.0	51.9	56.3	75.9	69.9	55.9	73.4	60.2	70.3	56.1	67.2	76.6	64.7	80.8	56.9	74.1	68.4
ARL8A	8.5	10.1	9.8	10.2	9.1	7.8	7.4	8.2	10.7	10.2	10.7	10.0	9.2	9.9	11.6	9.6	11.3	8.7	9.1	9.7	9.0	8.7	9.4	8.8	9.8	10.8	11.2	10.9	7.0	9.1	9.5	10.8	13.0	12.0	9.5	9.1	9.8	11.0	10.6	9.5
ARL8B	16.6	19.5	17.0	18.3	18.8	16.3	16.9	17.1	21.8	18.9	20.1	21.1	18.4	21.9	17.7	20.6	19.2	21.9	19.0	19.7	20.7	19.0	21.2	19.9	13.9	16.4	20.5	20.9	13.0	15.9	16.0	21.6	21.2	21.6	21.0	19.9	20.4	20.3	23.1	20.1
ARMC1	6.7	7.6	7.1	7.0	7.4	6.1	6.7	7.5	7.9	7.3	7.0	7.2	7.3	10.0	7.4	8.2	7.1	8.9	7.1	7.7	7.7	7.7	7.5	7.6	5.3	7.0	8.1	9.2	6.5	6.9	6.5	8.1	7.3	8.1	6.3	6.8	8.7	7.2	8.0	8.3
ARMC10	3.4	3.6	3.7	5.6	4.0	4.8	3.7	5.2	6.7	5.5	5.5	5.0	5.7	6.6	7.2	6.6	6.0	6.2	5.3	7.0	5.7	4.7	4.7	4.9	4.8	5.7	4.9	5.5	4.1	4.8	4.3	7.0	6.0	6.9	4.5	4.0	5.4	4.9	4.4	5.3
ARMC6	3.8	3.7	3.2	4.1	6.2	4.3	3.2	4.9	5.5	3.9	4.9	4.8	4.9	4.6	4.5	4.0	3.8	5.2	4.0	4.4	3.5	4.4	3.6	4.0	3.5	3.6	3.7	5.5	4.1	5.3	4.1	4.9	3.5	4.7	4.9	4.3	4.6	4.8	3.4	3.6
ARMC8	4.6	5.3	5.8	5.5	5.6	4.4	4.5	5.7	5.8	4.8	5.0	4.5	5.9	6.3	4.2	5.8	4.9	5.6	5.4	5.6	5.3	5.1	5.2	4.9	3.8	5.1	5.9	4.6	3.4	5.1	4.8	6.8	8.2	6.8	4.7	8.9	8.0	10.1	7.8	5.4
ARMCX1	9.7	7.6	7.0	7.9	9.3	9.6	6.6	9.8	10.0	10.9	12.8	11.2	7.6	9.6	12.0	10.3	10.5	10.3	9.2	11.4	11.0	10.4	10.3	9.8	6.9	11.0	10.8	9.9	6.7	7.9	9.4	8.4	13.1	10.4	8.9	9.1	9.0	9.5	10.6	10.9
ARMCX2	5.3	4.1	3.3	7.0	4.6	6.4	3.9	5.7	6.3	6.6	5.7	6.9	7.3	8.7	8.5	6.1	7.2	7.3	7.0	9.3	7.4	6.0	6.8	7.4	4.7	6.5	6.4	6.1	5.0	5.4	5.3	6.7	6.1	8.3	5.7	5.0	6.8	5.1	5.0	5.3
ARMCX3	6.6	6.9	6.9	7.1	6.3	6.5	6.3	7.5	8.4	9.0	9.6	8.2	7.7	8.4	6.7	7.9	8.4	11.1	9.9	10.7	7.8	6.7	7.4	7.9	5.3	8.9	7.7	8.6	6.2	4.9	6.2	7.9	9.2	12.2	8.6	8.6	9.4	8.2	8.3	8.8
ARMCX6	9.3	6.6	6.8	9.6	7.4	9.2	7.6	5.8	8.9	6.3	10.0	10.3	13.7	14.1	12.1	7.6	8.0	8.7	10.3	13.7	10.4	8.5	8.4	10.1	8.5	10.1	7.6	10.2	8.9	10.1	8.8	9.5	8.4	8.9	7.4	5.8	6.7	6.0	6.5	7.3
ARNT	7.3	8.2	6.2	6.4	9.1	8.0	6.3	7.8	8.1	7.7	7.0	6.4	8.6	7.7	9.7	8.8	7.5	8.1	8.0	10.8	9.7	7.6	7.5	6.6	5.2	9.2	6.8	8.0	6.0	5.1	5.8	6.8	13.5	8.6	6.0	7.7	8.0	6.3	8.6	8.1
ARNTL	2.2	3.0	4.9	4.7	4.3	1.8	1.4	3.2	2.0	2.3	0.6	1.0	1.1	3.5	6.2	2.1	3.4	1.8	0.8	4.7	2.2	0.5	1.6	1.0	2.1	0.6	6.5	1.3	0.9	3.5	3.1	2.5	8.1	2.3	0.5	3.3	4.1	6.4	4.6	2.9
ARPC1A	36.5	34.7	39.2	27.5	39.9	38.3	31.6	36.3	38.6	30.6	33.2	34.3	39.2	40.4	39.6	34.5	32.2	32.6	30.3	33.7	39.6	33.6	33.9	38.3	33.3	30.4	39.8	49.3	33.1	48.4	33.6	45.7	30.9	37.1	44.8	28.6	37.0	34.0	36.7	38.5
ARPC1B	12.4	12.2	12.4	16.1	22.4	11.8	14.5	14.4	20.2	10.8	11.7	10.3	16.8	12.5	30.5	10.8	15.0	13.4	14.4	18.1	21.4	12.9	9.5	7.7	7.5	12.5	8.0	12.9	17.6	11.7	10.6	14.3	34.2	15.4	8.6	12.4	12.9	12.6	10.4	9.5
ARPC2	51.9	47.7	47.6	54.8	66.5	50.1	48.1	51.3	61.9	48.9	48.1	44.1	69.0	67.2	79.4	48.8	62.7	52.5	51.2	64.5	60.8	51.5	48.0	51.4	44.0	60.3	55.5	58.0	52.8	62.3	46.3	61.9	89.5	71.5	52.3	55.8	66.0	63.3	59.1	49.8
ARPC3	41.4	41.1	35.1	45.2	51.4	41.2	48.1	43.3	50.2	43.7	34.5	41.9	59.2	54.5	64.5	45.9	62.4	42.9	44.0	50.6	54.1	42.7	36.7	43.9	30.7	53.8	44.1	43.9	38.1	56.0	41.0	48.9	82.8	50.1	38.4	45.2	48.5	39.4	43.7	45.9
ARPC4	11.4	13.6	12.2	16.3	19.0	13.9	13.3	13.3	17.7	13.1	12.3	15.1	18.7	20.4	25.2	17.1	16.3	13.9	15.8	18.9	19.5	13.1	14.1	13.5	13.9	17.7	15.6	15.1	17.3	17.4	15.1	20.4	31.3	21.4	16.7	16.9	17.5	19.8	17.6	11.9
ARPC4-TTLL3	1.5	1.3	1.1	0.4	1.8	1.1	1.2	1.3	2.4	1.6	1.9	1.5	2.7	2.8	4.2	2.2	1.7	1.5	1.3	3.0	2.4	1.9	1.0	1.8	1.8	2.7	1.7	0.8	1.7	3.0	2.2	1.3	4.2	2.2	1.5	1.4	2.3	1.1	2.1	1.0
ARPC5	7.0	8.0	9.2	11.2	11.6	9.9	9.3	10.7	13.5	10.2	8.7	9.1	16.0	11.9	18.7	9.7	10.9	9.4	10.7	17.6	15.5	9.5	10.6	8.0	7.2	13.3	6.5	10.0	11.0	10.2	7.1	11.8	22.3	15.3	8.6	9.2	12.1	10.8	11.6	10.5
ARPC5L	12.7	15.4	14.2	17.8	15.3	13.0	11.8	12.8	16.1	15.4	15.7	12.2	14.2	19.5	13.5	12.6	14.1	13.0	12.2	13.3	14.3	11.6	16.2	11.3	11.7	12.6	14.4	15.3	12.9	14.3	16.3	18.5	13.7	15.4	12.8	16.3	16.8	13.6	18.1	12.0
ARPP19	11.3	8.6	9.9	9.9	13.7	11.4	10.7	12.9	14.4	10.7	10.3	8.9	12.8	14.3	8.6	13.0	11.3	13.9	12.0	12.4	12.1	12.8	11.5	11.1	11.9	10.1	11.0	10.2	8.5	11.0	8.8	13.2	13.5	15.7	13.9	11.0	15.8	12.4	11.7	13.7
ARRB1	2.6	1.7	1.4	1.7	2.0	2.0	1.8	2.1	2.9	1.7	2.4	1.8	2.0	1.7	4.1	1.7	1.7	2.3	2.4	3.2	3.0	2.5	1.6	1.5	1.0	1.8	1.5	2.5	1.5	1.5	1.6	1.5	2.2	1.5	1.1	1.7	1.6	1.4	1.1	1.8
ARRB2	4.8	5.3	4.5	5.1	7.6	3.9	8.9	6.3	6.0	5.5	5.9	4.2	9.5	5.0	9.1	6.7	10.3	5.1	6.9	7.9	8.5	4.3	7.2	5.6	2.1	6.8	4.4	7.4	3.8	5.1	3.3	5.5	16.8	5.9	3.0	6.2	7.6	4.1	8.4	6.4
ARRDC1	4.2	5.1	4.7	5.1	6.1	5.2	5.0	4.5	5.7	4.6	3.8	6.8	4.2	6.0	6.1	4.4	4.2	4.8	5.5	4.1	6.2	4.6	4.2	4.6	4.2	4.5	6.2	5.0	3.8	6.0	6.5	5.4	8.3	4.2	4.7	4.8	6.3	4.2	5.6	4.1
ARRDC2	2.1	4.7	6.4	2.7	7.2	5.5	6.6	3.2	2.6	1.4	2.0	2.1	2.5	5.0	5.6	4.7	4.0	3.3	2.9	4.2	3.6	2.1	1.8	1.9	6.3	12.9	13.0	9.0	7.0	9.2	11.1	9.4	18.6	10.5	9.1	12.3	11.1	8.5	13.4	4.5
ARRDC3	1.9	2.4	1.7	2.3	3.2	4.4	4.0	1.7	5.1	3.0	3.2	5.5	5.2	3.9	4.2	3.7	4.5	5.5	3.5	6.7	3.3	4.2	4.0	4.1	4.7	11.3	3.4	6.2	3.3	2.8	3.6	2.8	11.9	3.1	1.6	6.6	5.6	3.0	6.5	3.9
ARRDC4	4.2	4.2	4.2	4.4	3.9	3.6	3.5	2.9	3.9	5.5	2.6	4.1	8.6	9.6	3.8	2.9	9.4	5.3	4.2	6.5	8.3	5.4	3.7	1.3	4.8	3.2	6.2	4.0	5.0	3.2	3.4	3.9	12.5	11.1	7.5	29.6	12.8	15.4	9.1	2.9
ARSA	2.8	2.7	2.6	2.9	4.8	3.5	2.8	3.3	4.4	3.6	3.2	3.9	4.7	5.2	6.0	3.6	4.7	3.6	3.3	3.5	4.8	4.0	3.6	4.5	3.4	4.3	2.6	1.9	4.2	5.0	3.4	4.5	6.2	4.6	2.6	2.4	4.2	4.2	4.2	3.6
ART3	42.3	51.4	31.8	32.2	44.4	49.8	28.4	35.2	14.8	9.3	12.5	15.8	14.6	18.5	12.8	16.8	20.6	18.2	14.0	19.6	15.4	17.4	17.8	28.8	19.2	14.4	29.9	15.8	7.7	13.8	16.2	13.9	17.6	15.6	40.8	16.8	17.3	11.5	23.8	29.1
ART4	0.4	0.9	0.7	0.5	2.1	1.1	0.9	1.1	1.2	0.4	0.5	0.4	1.5	2.3	3.7	0.3	1.9	1.2	0.5	3.0	1.8	0.7	0.7	0.7	1.0	3.0	1.4	0.9	1.0	1.2	0.5	0.5	2.4	2.1	1.1	1.3	1.4	0.6	1.1	0.4
ARV1	8.2	8.2	7.1	8.7	7.6	6.7	7.4	8.9	8.8	6.5	10.3	9.4	9.4	9.4	9.6	8.3	7.2	8.6	8.4	9.2	6.8	10.6	7.9	9.0	5.9	6.0	10.0	6.1	5.0	9.6	8.7	6.2	5.2	7.0	6.8	5.9	6.7	4.7	7.4	8.7
ARVCF	3.9	4.0	3.6	1.9	5.7	2.9	2.4	2.3	4.0	4.3	4.7	4.0	4.5	6.1	5.8	3.3	3.3	4.2	4.4	4.5	3.6	3.6	4.1	3.7	3.4	4.2	5.8	5.3	3.6	3.7	6.6	4.7	3.0	3.6	4.7	3.6	5.5	3.6	3.5	4.3
AS3MT	11.3	8.0	9.1	4.5	7.2	8.0	7.6	7.4	5.9	4.9	9.0	7.3	5.9	5.1	4.0	8.1	5.8	6.3	6.8	4.8	6.7	8.6	7.9	8.3	6.2	5.9	9.5	8.6	2.8	8.9	7.2	6.7	2.0	5.8	9.3	6.8	7.1	4.0	4.3	9.8
ASAH1	202.6	214.3	180.6	150.4	219.3	181.5	177.0	199.6	183.9	169.3	164.3	196.1	186.7	170.1	143.0	145.2	180.4	186.7	162.5	188.4	150.0	159.1	167.2	179.4	128.5	162.5	164.9	178.6	128.9	145.4	153.5	186.2	124.0	192.2	221.5	178.3	193.1	127.7	179.9	185.8
ASAP1	7.0	8.7	9.2	10.1	9.6	9.3	7.1	7.7	10.3	8.1	8.2	7.1	9.0	11.1	6.8	6.5	11.0	10.4	7.8	10.7	7.6	7.8	7.0	6.7	6.6	10.3	9.7	8.5	6.3	6.0	11.2	7.6	15.5	11.7	7.3	11.8	14.0	9.1	7.4	8.9
ASAP2	3.7	3.4	2.6	1.8	4.6	3.1	2.4	4.1	5.2	3.6	3.6	2.8	3.6	3.5	6.1	3.3	3.8	3.9	3.9	8.5	4.5	3.4	2.8	3.1	2.8	6.5	3.1	2.9	3.0	1.8	3.8	4.2	5.2	5.3	2.9	3.9	3.5	3.2	3.6	4.1
ASAP3	5.7	6.8	6.3	12.3	5.2	6.1	4.8	6.8	6.4	6.4	4.9	5.6	6.4	8.2	8.6	6.0	5.6	5.5	6.5	8.5	7.4	6.1	5.3	6.0	3.2	6.5	4.6	5.4	5.4	4.2	4.8	5.3	5.8	4.2	5.5	4.6	6.1	3.3	3.7	5.4
ASB1	4.7	6.5	4.9	4.3	5.9	4.5	4.4	5.0	6.3	4.8	6.9	5.1	5.0	7.5	5.6	5.4	5.9	5.4	4.7	6.2	5.4	5.9	5.5	5.5	4.8	4.4	6.8	6.4	4.6	4.5	4.7	5.0	5.5	6.6	5.6	6.5	7.0	7.1	6.4	5.6
ASB10	8.9	10.3	9.6	7.0	11.8	12.3	8.6	7.2	6.1	4.7	9.5	7.4	5.9	3.8	3.7	5.7	3.8	5.7	6.2	6.7	5.2	8.0	5.8	6.4	4.7	6.8	6.0	8.2	5.4	6.4	6.6	5.4	1.8	3.8	5.8	3.4	4.3	2.4	3.2	5.5
ASB11	15.1	14.8	11.6	9.5	14.2	12.6	11.4	14.8	10.7	13.9	13.8	11.1	6.7	7.6	3.8	14.2	9.0	15.3	12.7	10.4	4.5	11.3	12.6	12.6	6.3	11.8	11.8	11.2	3.2	3.5	6.8	10.5	6.4	11.8	12.8	8.4	4.1	3.4	12.4	12.2
ASB13	2.2	2.1	2.2	3.1	2.4	2.5	2.6	1.8	2.5	2.1	3.2	2.5	2.5	2.8	4.0	2.1	2.5	2.1	2.1	3.6	2.2	2.7	1.7	2.2	2.6	1.9	2.8	2.5	3.2	2.2	1.9	1.9	3.4	1.9	2.2	2.3	2.6	2.3	2.1	2.5
ASB14	2.2	2.2	1.2	0.2	2.4	3.5	1.8	3.6	2.0	1.4	1.8	1.2	0.8	0.5	0.6	1.1	0.9	2.1	2.1	2.9	1.0	1.1	1.5	2.4	1.6	1.7	1.3	1.5	1.3	0.8	0.7	1.0	0.5	2.1	3.1	0.7	1.0	0.3	1.0	2.4
ASB15	8.9	9.2	6.9	4.0	9.8	7.8	7.2	9.5	7.1	6.1	8.4	3.5	4.0	5.1	1.7	8.9	4.4	7.9	7.4	5.2	4.6	5.7	7.8	5.8	6.5	4.5	6.8	6.8	1.6	2.7	4.1	5.7	5.7	6.9	12.6	6.4	8.0	1.1	8.0	8.6
ASB16	2.2	1.9	2.2	2.5	3.4	2.3	2.6	1.6	2.3	2.0	1.8	2.2	1.7	2.3	1.9	2.8	2.4	1.8	2.1	2.1	1.5	1.9	2.0	2.8	1.5	1.9	2.4	2.5	1.7	1.6	2.0	1.9	1.1	1.6	2.1	1.8	1.7	1.2	3.6	2.9
ASB2	40.8	43.6	37.6	28.6	72.7	41.3	36.3	72.6	32.0	39.8	36.0	32.8	40.3	47.7	30.3	36.9	34.8	40.4	34.5	31.2	31.5	31.9	29.3	33.9	13.1	33.6	16.9	31.0	20.1	24.6	32.3	38.1	17.9	22.8	39.8	8.8	26.2	13.6	11.3	28.9
ASB6	1.9	1.8	1.3	1.8	1.8	1.8	1.3	2.0	2.9	2.0	2.1	2.2	2.3	3.5	3.2	2.5	2.0	1.9	1.9	2.2	2.5	2.1	2.1	1.9	1.8	1.4	2.0	2.4	1.7	1.9	1.9	2.2	2.8	2.5	1.6	2.3	2.1	2.5	2.3	2.1
ASB8	14.7	14.2	12.3	13.5	13.9	13.8	14.1	14.4	16.6	13.0	15.8	13.6	12.3	14.3	11.7	15.7	12.1	13.5	11.5	15.4	12.8	12.7	12.7	14.2	10.9	9.6	15.7	14.5	9.8	11.1	11.7	15.3	7.3	11.9	13.3	10.9	11.6	9.9	14.5	16.5
ASCC1	5.7	6.5	5.6	5.7	7.1	5.5	6.0	6.3	5.6	4.6	6.6	6.7	6.0	6.4	6.2	5.8	5.9	8.2	5.8	8.3	7.2	5.5	5.0	4.5	4.2	5.5	8.5	7.4	4.2	5.5	5.0	6.1	6.6	7.9	6.1	8.6	9.5	8.0	8.4	5.7
ASCC2	5.6	8.1	7.4	8.5	10.3	7.3	6.0	9.3	10.8	10.0	8.5	11.6	9.9	11.8	13.0	9.4	11.6	9.4	10.1	10.5	12.0	9.7	10.3	12.0	9.5	10.2	9.6	9.9	8.8	9.6	9.5	10.0	13.3	12.0	8.3	10.3	11.3	11.5	11.4	7.9
ASF1A	4.1	4.8	4.7	4.8	5.8	5.5	4.8	4.4	5.7	4.7	5.8	4.9	5.9	6.8	5.2	5.8	3.3	4.6	4.0	5.9	5.1	4.3	4.7	5.3	3.8	3.3	5.5	5.3	3.8	4.3	5.1	4.9	3.6	4.4	4.5	4.5	4.4	3.6	4.9	5.4
ASH1L	5.9	5.0	5.8	5.4	5.9	5.7	4.8	6.4	8.6	5.5	6.9	4.4	4.8	7.0	4.0	5.4	6.2	6.9	6.1	7.9	5.2	6.4	5.9	6.4	4.1	4.6	4.5	5.6	2.7	2.8	4.2	4.9	7.6	6.6	5.2	7.1	7.6	5.1	4.8	8.1
ASH2L	7.1	8.9	8.8	8.6	9.2	9.0	7.4	9.4	9.4	8.9	9.9	8.7	9.7	10.9	11.4	9.2	8.8	10.1	7.6	11.8	9.0	9.2	9.6	8.8	6.3	7.8	10.1	10.8	6.4	8.2	7.8	8.7	10.5	9.5	7.4	8.0	8.6	9.3	10.4	9.6
ASIP	5.2	4.3	4.5	1.9	6.2	7.0	7.0	3.6	1.6	2.7	3.2	2.9	4.9	2.7	2.0	3.7	1.5	2.9	3.8	3.2	3.3	2.1	2.4	3.2	4.3	2.1	3.4	3.2	2.1	5.1	3.9	2.4	2.9	5.2	2.4	7.0	4.7	3.3	6.6	3.2
ASL	4.1	3.7	3.5	4.0	4.9	3.5	3.8	3.2	4.2	2.6	4.5	4.2	3.5	3.4	5.4	4.7	2.9	3.5	3.3	4.2	3.5	4.2	3.5	4.2	2.9	3.0	4.7	3.9	2.7	4.7	3.4	4.8	6.5	3.9	3.1	4.1	2.9	3.7	3.7	2.9
ASMTL	11.6	10.7	9.0	12.5	10.0	12.1	12.8	10.4	10.7	10.3	13.2	16.7	9.0	9.7	13.1	17.4	10.6	9.8	10.7	12.4	14.3	14.1	13.4	13.4	12.1	11.5	12.2	12.6	9.0	14.6	10.3	14.7	11.3	12.9	9.8	11.3	12.2	12.4	11.5	11.6
ASNA1	22.6	21.3	20.7	26.1	21.9	22.6	19.7	25.7	21.2	23.2	21.6	23.9	20.4	23.3	23.5	24.7	23.0	24.1	25.2	23.9	22.6	22.8	21.3	22.3	17.2	16.2	23.1	26.1	14.8	22.5	16.9	23.7	21.5	25.0	25.9	20.6	20.4	19.5	21.0	20.6
ASNS	3.8	3.6	3.3	2.1	3.9	2.8	2.7	2.8	3.1	3.9	5.8	5.9	5.8	5.2	5.6	6.7	8.0	6.0	4.0	5.5	8.1	4.9	4.9	6.6	2.4	3.0	3.3	2.6	3.5	4.6	3.8	5.2	7.6	4.9	1.5	3.4	4.3	3.8	4.2	4.7
ASNSD1	8.7	10.8	9.0	7.7	10.6	8.0	7.4	8.3	10.0	8.5	11.6	8.3	11.7	10.8	9.7	9.4	9.6	10.2	9.5	10.0	10.3	8.9	9.7	8.2	8.6	8.3	13.6	6.4	6.7	8.4	7.6	8.3	11.3	8.9	9.8	7.6	10.9	7.8	11.5	9.9
ASPG	3.1	2.0	2.4	4.4	2.4	2.4	1.2	2.0	2.1	0.5	1.1	1.9	3.5	1.4	2.5	0.4	1.5	1.3	4.3	2.6	2.7	3.3	0.9	1.0	2.5	0.4	0.9	1.7	2.5	0.9	1.4	1.0	1.3	2.1	3.6	2.7	2.1	2.7	0.6	0.9
ASPH	16.6	18.6	14.9	18.3	24.8	14.6	16.3	22.1	20.4	18.6	20.4	16.5	20.4	26.0	19.8	16.2	22.7	21.2	18.6	24.2	31.4	16.7	18.3	17.4	13.2	19.6	21.0	19.4	12.6	16.0	16.7	18.9	27.4	22.0	21.0	21.4	24.5	17.5	23.4	23.9
ASPN	3.5	3.7	1.7	2.0	11.0	7.4	2.2	6.9	21.8	25.1	12.8	11.7	31.9	32.7	49.9	17.6	27.7	20.9	14.9	60.0	16.9	19.7	14.9	13.9	13.3	61.1	3.9	17.6	47.8	16.2	4.6	38.5	17.9	45.5	5.8	14.9	24.4	14.4	6.0	14.2
ASPSCR1	4.1	5.3	4.6	5.4	5.2	5.8	4.6	3.7	4.6	3.6	5.4	4.3	4.5	5.1	3.8	4.3	3.0	3.5	4.2	3.9	4.0	3.3	3.6	3.3	4.3	3.5	4.7	4.7	2.9	4.9	4.8	4.7	4.3	3.8	5.6	3.6	3.7	4.1	3.9	3.9
ASS1	19.6	15.7	12.7	24.5	32.8	22.0	19.1	19.2	23.9	16.8	12.1	21.7	22.4	29.8	27.6	15.3	29.3	15.3	25.0	20.5	50.1	17.9	15.7	13.2	14.1	19.9	13.9	15.5	20.4	13.3	11.4	18.5	31.7	17.4	25.0	14.8	15.0	18.8	12.4	14.6
ASXL1	5.0	5.8	4.9	5.1	8.0	5.3	4.6	5.5	6.9	5.1	5.6	5.2	5.2	7.6	7.7	5.5	5.7	4.9	5.2	7.4	6.3	5.4	5.1	5.4	5.9	6.8	6.6	5.6	4.4	4.9	5.3	6.7	12.4	7.1	4.9	6.0	7.3	6.1	8.4	6.4
ASXL2	2.9	2.6	3.3	2.6	2.9	2.4	2.2	3.2	4.4	2.1	3.4	2.0	1.6	2.7	1.1	2.4	3.2	3.3	2.8	3.9	2.5	3.1	2.3	2.6	1.4	2.3	2.0	1.9	0.7	0.7	1.8	2.0	3.6	2.8	1.7	2.9	3.3	2.2	2.1	3.7
ATAD1	17.2	15.7	18.5	19.2	17.1	13.6	13.6	18.8	21.9	17.0	18.4	17.1	14.9	16.7	12.8	19.8	15.7	18.4	15.0	21.7	15.3	18.2	19.8	18.6	11.5	16.1	17.3	16.9	10.0	10.9	13.8	18.6	12.2	19.2	18.4	17.0	18.6	13.1	16.1	18.5
ATAD2	3.4	1.9	1.6	1.4	3.3	4.8	2.2	2.1	2.3	2.0	3.5	3.3	3.2	3.7	1.6	4.7	2.5	3.0	2.9	3.3	2.6	2.7	2.2	2.1	7.5	2.1	9.0	3.0	1.2	4.7	2.3	2.9	7.7	8.2	9.3	9.7	9.0	4.0	8.6	2.8
ATAD3A	5.1	5.0	4.6	6.5	5.5	5.6	4.3	4.3	3.6	4.4	4.0	5.7	4.4	6.4	4.3	4.1	3.5	3.9	3.4	4.3	4.8	4.0	3.1	4.9	2.3	3.7	4.6	5.6	4.1	5.0	4.6	4.4	4.8	5.0	4.7	4.2	5.4	4.5	3.6	4.1
ATAD3B	2.1	2.4	2.8	2.8	2.9	2.0	1.9	2.3	2.1	2.0	2.3	3.1	1.9	2.7	3.9	2.5	2.4	1.7	2.5	3.2	2.3	2.0	1.8	2.2	2.3	2.0	2.3	3.1	3.2	3.4	3.3	3.1	4.4	3.3	3.3	2.9	3.5	2.5	2.5	2.2
ATAT1	1.9	1.3	1.7	2.1	1.9	1.4	1.2	1.8	2.3	1.5	1.4	1.8	1.8	2.2	2.7	1.5	1.6	2.3	1.7	2.7	1.7	1.8	1.5	1.2	3.1	2.5	1.6	1.8	2.1	2.9	2.4	2.0	3.5	2.7	4.0	1.7	3.6	2.1	2.5	1.5
ATE1	8.7	5.6	8.3	5.0	8.0	5.5	6.2	7.2	7.1	4.4	7.9	3.1	3.8	6.0	2.1	5.3	5.2	7.5	5.2	9.6	4.8	6.4	5.7	5.5	3.6	4.7	6.6	6.6	2.5	1.4	4.3	5.5	4.6	7.6	4.3	5.7	7.9	4.7	5.1	7.8
ATF1	3.1	3.2	2.6	2.4	3.3	2.3	2.1	3.6	3.1	2.8	3.1	2.8	3.2	4.1	4.6	3.2	3.7	3.5	2.8	4.8	3.9	3.0	3.9	2.8	2.0	3.9	3.3	4.5	3.0	2.3	3.0	3.9	5.6	5.0	3.1	3.9	5.2	3.9	3.8	2.9
ATF2	3.6	3.6	4.2	3.1	4.5	3.9	2.8	4.6	5.3	5.1	5.0	3.0	3.6	4.9	3.1	3.8	4.2	4.7	4.6	6.8	4.3	3.2	4.4	3.9	2.2	5.7	4.2	4.0	1.8	2.3	3.3	4.1	8.0	5.4	4.5	4.3	5.6	4.5	5.0	6.0
ATF3	3.3	3.2	5.3	4.1	9.1	17.8	8.7	2.9	6.1	10.1	4.6	2.3	15.4	7.5	14.0	7.5	8.6	4.6	4.3	11.1	6.1	4.0	3.2	1.2	18.6	24.0	16.2	12.2	4.8	132.3	6.9	9.7	267.5	42.6	37.2	84.9	52.3	15.1	19.2	9.0
ATF4	79.0	72.2	69.4	107.0	109.2	87.6	72.3	62.8	66.8	76.0	54.1	51.3	83.6	95.6	107.5	73.2	69.7	54.4	54.7	72.6	93.9	54.5	60.6	57.9	73.5	98.1	76.3	61.9	56.6	105.1	65.1	79.7	164.7	99.1	77.0	74.4	95.2	76.3	101.2	62.4
ATF5	2.2	3.5	2.6	3.5	3.3	2.5	2.5	1.7	4.4	2.9	3.3	3.0	3.7	2.6	4.6	2.9	3.8	3.7	3.6	2.9	3.6	2.4	3.2	2.3	2.5	2.9	3.9	3.2	1.4	2.3	2.4	3.6	4.0	3.0	2.0	2.7	2.5	3.2	3.1	2.2
ATF6	5.2	5.4	5.9	6.6	5.6	6.6	5.5	7.9	7.7	6.3	5.9	4.5	6.4	7.8	4.9	5.9	6.0	6.6	7.8	7.9	5.8	6.3	6.0	5.8	3.5	6.1	6.3	6.6	3.6	4.8	4.8	6.2	8.9	7.7	4.8	7.6	7.8	5.1	6.6	7.4
ATF6B	7.2	11.4	9.6	10.9	10.3	13.4	8.1	9.3	14.0	13.7	10.9	14.0	14.3	11.4	17.4	11.1	12.5	11.6	11.0	15.5	11.0	12.8	10.7	12.4	10.7	14.4	12.7	13.8	11.5	10.4	10.4	11.1	16.1	12.1	10.1	10.6	12.3	11.5	12.4	10.7
ATF7	6.2	4.8	3.4	5.7	5.9	5.2	4.1	6.4	7.7	5.3	5.3	4.4	5.5	6.0	8.3	6.1	4.4	5.7	5.7	8.9	7.3	5.9	5.1	5.1	4.3	8.5	5.6	6.7	5.5	2.7	4.1	5.2	11.0	8.1	4.2	6.3	7.7	5.3	7.2	7.2
ATF7IP	7.0	5.0	5.7	4.0	4.8	6.7	5.4	6.5	7.6	4.6	5.5	4.4	5.4	6.2	3.7	4.7	5.5	7.0	7.1	9.3	4.8	5.4	6.2	5.4	4.1	5.7	5.5	5.3	2.8	3.7	4.5	4.0	6.2	6.5	4.3	7.5	6.4	3.3	6.1	9.1
ATF7IP2	1.9	2.0	1.6	3.1	1.8	1.8	2.4	1.7	3.8	1.7	1.9	2.5	2.2	2.9	1.5	1.7	2.8	2.1	1.8	3.3	2.0	2.3	2.8	2.1	1.7	1.9	1.3	2.1	1.9	2.1	2.1	2.2	1.8	1.7	1.6	2.2	1.9	1.5	1.9	2.5
ATG12	2.7	2.3	2.0	2.6	2.8	1.7	2.3	2.5	3.4	2.2	2.1	2.8	2.5	3.5	3.1	2.5	2.7	2.7	2.6	3.3	3.1	2.1	3.0	2.2	2.4	2.7	2.7	2.4	2.6	2.5	2.5	2.6	4.1	3.3	2.2	2.9	3.3	2.9	4.0	2.4
ATG13	7.0	8.7	6.7	7.0	11.1	9.6	7.6	8.4	9.3	8.5	8.4	10.6	11.2	10.9	12.9	10.9	10.5	8.6	8.8	10.9	10.5	9.8	9.5	9.8	8.8	8.0	11.5	10.4	8.8	8.9	6.9	8.5	12.3	11.8	8.6	9.5	10.7	9.4	13.5	8.9
ATG14	4.4	5.3	3.6	3.8	7.0	4.5	3.8	3.8	6.3	5.0	5.7	5.4	6.5	5.4	4.8	5.3	5.9	6.3	6.1	6.7	5.0	5.5	7.0	5.5	5.9	4.5	6.9	6.1	3.4	3.7	6.3	4.9	7.3	5.5	7.1	5.6	6.2	4.3	7.0	6.6
ATG16L1	3.8	3.9	4.4	4.0	3.7	3.2	3.1	3.4	5.1	4.6	5.1	4.4	4.8	5.4	4.3	4.5	3.8	4.3	3.6	5.2	4.4	4.2	4.0	4.2	3.8	4.1	5.6	4.3	3.2	3.6	3.3	3.8	6.2	5.6	3.1	4.6	5.4	4.8	4.7	3.9
ATG16L2	2.3	2.8	2.2	2.4	4.1	2.6	3.3	2.6	3.6	3.7	2.9	3.0	3.2	3.3	5.0	3.1	2.3	3.1	3.3	3.5	3.6	2.6	2.8	3.0	3.2	4.2	3.2	3.7	3.2	5.8	4.8	4.0	7.4	3.9	4.0	2.8	3.4	2.6	3.4	3.4
ATG2A	2.1	2.8	2.7	2.5	2.7	2.6	2.2	2.3	2.9	2.1	2.2	2.8	2.3	2.4	2.9	2.9	2.6	2.3	2.3	2.6	2.3	2.4	2.4	2.6	2.4	2.2	3.6	3.2	2.1	2.3	2.4	2.3	4.1	3.3	2.4	2.9	3.5	2.8	3.4	2.8
ATG2B	2.1	2.1	2.1	2.1	2.7	2.4	2.0	2.2	3.0	2.3	2.7	1.8	2.0	3.3	1.7	2.4	2.4	2.4	2.4	3.4	1.9	2.5	2.5	2.0	2.0	2.2	2.2	2.1	1.5	1.6	2.0	2.1	3.5	3.2	2.0	3.1	2.8	2.0	2.7	3.0
ATG3	14.3	15.3	16.3	17.4	15.1	15.2	12.5	15.0	18.0	14.6	15.9	15.7	17.6	16.8	19.1	16.7	20.1	15.1	13.7	17.7	17.8	15.9	18.6	17.2	12.0	13.8	16.4	17.0	13.3	14.5	13.8	17.0	17.9	17.5	11.5	13.8	15.9	13.4	15.7	16.3
ATG4A	3.9	4.1	4.7	4.8	3.8	4.1	4.0	3.6	3.9	4.6	4.9	3.2	4.5	6.2	4.2	4.9	4.3	4.1	3.1	4.5	3.8	3.9	4.1	3.6	2.2	3.0	4.5	5.3	2.4	4.4	3.9	4.1	3.7	4.4	3.8	4.0	5.6	4.5	4.5	4.5
ATG4B	6.7	7.4	5.2	6.5	8.3	7.2	5.6	6.4	8.1	7.8	7.0	7.6	9.7	9.0	9.3	7.3	7.2	6.6	8.9	8.1	9.5	6.3	7.0	8.3	6.4	7.6	7.4	8.1	6.9	10.0	8.1	8.3	11.3	11.1	8.0	9.8	10.3	7.3	9.9	6.3
ATG4D	6.4	9.6	7.8	9.9	9.9	9.2	9.9	8.4	9.4	7.8	9.4	8.2	9.4	10.8	6.0	9.4	8.6	7.4	8.9	6.0	7.6	8.0	9.2	8.3	7.2	5.9	9.4	9.0	6.7	9.7	9.6	10.2	6.2	8.9	9.0	9.1	9.1	8.5	10.4	8.2
ATG5	3.9	4.0	3.4	4.7	4.3	3.5	3.7	3.8	4.6	3.8	3.6	3.6	4.4	5.6	4.5	3.8	2.9	4.6	3.7	4.8	4.6	3.8	3.8	4.2	2.8	4.9	3.6	3.2	3.0	4.1	3.1	3.6	4.6	4.0	3.2	3.7	5.1	3.9	4.8	4.5
ATG9A	17.1	20.3	19.0	21.2	21.6	17.2	18.8	19.0	21.7	20.4	18.2	19.6	19.8	21.6	16.7	23.4	20.9	18.0	19.6	16.8	20.2	18.3	19.4	17.3	16.6	14.0	20.0	20.0	13.5	14.1	13.8	18.8	16.9	18.8	18.6	20.8	21.9	18.9	22.8	18.1
ATHL1	2.7	3.1	3.8	4.0	6.0	3.1	4.0	3.8	4.6	3.6	4.4	4.8	5.3	7.0	9.8	3.2	3.3	5.0	3.6	7.5	7.6	4.9	4.3	1.8	3.9	7.0	5.8	2.8	5.9	9.7	6.5	5.1	14.7	6.0	3.5	3.8	6.6	4.6	5.6	2.3
ATIC	11.2	11.9	9.5	11.0	9.1	10.4	8.0	8.4	9.1	7.6	11.5	8.6	12.3	8.6	11.5	8.1	8.8	8.8	9.5	13.2	8.9	9.2	7.8	9.6	6.2	8.4	9.1	12.9	6.3	11.0	9.7	7.8	9.9	7.7	9.2	10.5	8.4	8.1	8.9	10.9
ATL2	6.3	5.5	6.5	5.7	6.2	5.6	4.5	5.7	6.9	6.2	6.3	6.3	6.9	7.1	5.9	6.8	5.5	7.3	6.6	7.9	6.6	5.6	5.5	5.5	5.0	8.5	6.9	6.1	3.7	4.1	5.1	5.9	10.2	8.9	8.4	5.4	9.6	4.9	6.4	6.8
ATMIN	7.9	6.7	7.0	6.5	7.1	7.2	6.0	5.3	8.3	6.5	6.8	6.5	6.9	7.2	6.4	7.3	6.7	8.2	6.6	8.7	7.1	7.3	7.4	7.2	5.1	5.4	7.2	7.2	4.2	6.3	5.0	6.7	6.9	7.1	5.6	6.7	7.6	5.7	6.2	8.8
ATN1	21.2	24.9	17.3	29.0	23.4	23.5	19.1	22.1	28.6	24.5	20.4	20.1	23.0	27.6	43.1	20.8	28.7	20.7	25.6	27.9	27.5	18.4	22.9	22.4	18.9	34.5	26.5	23.6	18.3	22.7	25.7	27.1	49.4	31.6	23.5	21.1	30.6	26.6	35.0	24.1
ATOH8	1.6	4.7	4.1	3.6	3.1	3.0	3.6	2.1	2.3	1.9	2.3	3.0	2.7	3.5	6.2	1.7	2.2	2.5	1.6	3.7	3.5	2.2	2.3	1.9	3.3	2.7	6.8	3.9	3.8	2.7	4.3	3.5	7.2	5.5	7.1	4.9	7.0	4.9	6.2	3.2
ATOX1	8.8	11.6	11.8	14.4	9.4	9.1	13.4	8.4	11.8	9.7	13.1	12.0	13.3	13.4	13.7	8.9	12.3	11.1	10.7	12.6	11.3	10.5	10.0	11.6	10.0	8.8	13.4	14.6	10.5	12.2	12.8	15.3	14.3	9.7	10.0	11.7	11.6	11.7	13.5	9.4
ATP10D	1.3	1.8	1.6	1.1	2.7	1.5	1.3	2.0	2.7	1.9	1.4	1.4	1.5	2.7	2.4	2.0	2.4	2.2	2.0	3.8	1.8	1.7	1.4	1.6	2.4	2.9	2.5	1.4	1.4	2.5	1.5	2.1	6.1	6.1	1.8	4.1	4.2	3.7	3.1	2.0
ATP11A	8.6	10.6	10.2	8.9	9.8	6.8	7.7	9.1	9.8	8.5	11.3	6.8	4.5	7.3	3.5	7.1	7.6	9.2	8.9	7.4	8.6	9.1	9.6	8.1	4.3	5.9	9.4	10.8	3.2	3.7	7.7	7.6	5.7	8.0	8.8	9.5	12.1	9.0	8.7	11.9
ATP11B	3.5	3.1	3.2	3.1	4.1	2.8	2.1	3.6	3.8	3.9	3.6	3.1	3.3	5.1	2.5	2.9	4.3	4.2	4.0	4.6	3.8	3.1	3.8	3.1	2.7	3.3	4.4	3.7	2.1	2.4	3.7	3.6	6.7	4.9	3.9	5.6	6.7	4.2	4.5	4.0
ATP13A1	2.9	4.1	3.6	4.8	4.9	3.7	3.4	4.1	5.6	4.3	4.0	5.1	5.6	5.0	7.1	4.5	4.6	3.8	4.6	5.0	5.4	4.1	3.6	4.5	4.6	4.9	5.3	4.7	4.7	5.5	4.8	5.1	9.5	5.6	5.0	4.2	6.0	4.3	5.4	4.2
ATP13A2	2.4	1.9	1.9	3.1	2.4	2.2	1.6	2.4	2.7	2.3	2.0	2.3	2.3	3.2	3.5	2.4	3.1	2.6	2.7	3.0	3.0	2.8	2.1	2.1	1.6	1.8	2.0	2.4	1.8	1.5	1.7	2.5	4.5	3.3	2.1	2.2	2.7	3.4	1.9	2.0
ATP13A3	7.6	6.2	8.0	11.6	13.4	7.0	4.2	9.3	20.5	15.2	9.6	18.5	8.2	22.9	7.0	9.9	19.6	13.4	15.6	20.9	7.1	8.1	13.7	21.1	8.0	9.5	6.1	6.0	8.0	4.0	5.4	15.5	10.6	14.1	8.0	10.3	6.8	15.7	4.9	8.6
ATP1A1	58.7	67.6	54.7	112.9	66.1	44.9	52.3	84.4	74.6	57.5	41.4	68.8	51.6	59.3	59.9	51.9	53.2	49.2	63.1	57.1	62.9	52.8	54.1	56.0	59.7	79.7	75.1	52.7	46.8	57.1	59.4	76.5	122.3	112.1	86.3	90.1	98.2	81.4	88.4	56.6
ATP1A2	54.2	75.7	44.3	45.6	106.0	67.0	63.9	88.5	52.1	54.4	62.4	55.2	64.9	68.9	44.5	68.1	60.4	74.5	69.2	43.7	77.0	69.4	73.8	63.4	46.5	44.2	92.7	62.3	36.1	48.8	69.1	46.7	41.7	68.0	60.3	76.9	98.2	83.5	115.7	60.5
ATP1A3	91.2	88.1	56.4	64.8	56.8	74.5	65.5	71.3	73.9	58.1	75.4	78.1	43.7	57.6	42.2	82.0	42.4	54.4	56.1	67.9	55.8	65.7	75.8	93.3	47.9	54.5	52.0	59.0	34.5	54.2	41.5	45.6	18.7	44.5	43.9	37.7	45.7	14.5	27.8	75.5
ATP1B1	84.0	92.5	69.5	111.1	81.9	65.8	71.9	101.6	74.9	57.5	68.5	73.4	65.9	67.9	42.5	72.7	65.6	67.3	62.9	68.6	64.3	64.2	65.2	76.0	63.1	57.3	72.3	51.9	54.4	56.3	65.6	63.2	37.0	90.8	67.9	75.8	80.7	67.3	67.7	68.4
ATP1B3	8.3	7.4	8.9	14.2	15.3	9.3	14.9	8.3	13.1	9.0	8.5	10.3	10.6	12.3	16.3	11.7	8.8	9.0	8.2	13.1	14.4	7.8	6.2	7.3	12.9	27.4	6.6	6.9	9.8	24.2	9.0	13.6	31.1	22.1	24.6	11.0	10.2	9.0	10.4	7.4
ATP2A2	522.5	463.5	527.5	650.3	564.9	424.2	429.4	497.0	373.4	319.5	424.7	300.0	403.7	311.5	170.7	501.7	241.4	275.2	379.2	339.1	280.1	405.5	320.8	304.6	221.3	225.4	430.8	268.7	138.1	256.0	265.7	310.5	207.7	320.4	486.9	332.8	368.3	234.8	337.5	503.2
ATP2A3	2.3	1.2	1.4	1.3	2.8	1.9	2.5	1.5	4.3	2.8	1.9	2.0	1.9	2.1	4.9	2.0	2.7	1.5	1.8	3.8	1.6	1.6	1.4	1.8	0.9	2.2	1.6	1.9	2.5	1.5	2.3	2.3	7.2	1.4	0.9	1.2	1.2	1.0	1.7	1.5
ATP2B1	1.7	1.7	1.2	1.7	1.8	1.2	1.3	2.1	3.0	2.5	1.9	1.7	2.0	2.0	1.6	1.7	2.2	2.2	1.8	3.7	2.0	1.4	1.5	1.7	1.0	1.9	1.5	1.7	0.9	1.1	1.5	1.9	3.7	2.3	1.1	2.3	2.5	1.4	1.5	2.0
ATP2B4	18.9	19.6	20.3	26.0	25.2	14.9	11.1	19.7	31.8	23.7	29.3	20.3	18.0	30.1	19.4	19.6	29.5	29.0	26.8	28.3	24.2	24.5	27.0	26.6	11.4	22.6	22.2	29.0	16.3	14.6	33.8	37.6	15.9	23.7	23.7	28.5	30.1	44.7	19.9	28.2
ATP2C1	15.7	11.7	11.9	12.4	14.5	10.6	10.7	13.9	17.5	15.3	13.6	13.8	14.1	16.0	13.0	13.8	16.7	18.4	15.4	16.5	17.5	14.7	16.2	17.8	11.1	10.7	17.4	14.7	8.4	12.8	15.6	16.9	16.5	19.1	14.0	18.7	19.1	19.1	16.3	18.0
ATP5A1	711.1	666.6	621.5	581.7	553.5	584.6	542.7	608.2	579.2	525.6	670.5	613.1	644.7	494.6	428.7	631.3	492.1	599.9	522.3	504.2	549.7	586.6	569.5	608.5	465.7	435.3	556.7	636.7	412.8	607.8	531.7	618.6	268.0	583.2	519.4	509.4	620.7	462.9	559.3	673.4
ATP5B	921.8	981.8	959.8	814.2	880.4	805.4	908.9	842.6	824.9	781.7	1057.4	996.7	832.7	728.5	549.6	854.0	687.9	956.6	777.8	853.7	826.8	924.8	830.8	850.0	632.6	632.4	972.2	906.3	551.0	891.1	630.6	823.7	399.6	945.0	818.5	885.6	872.7	772.1	840.5	870.7
ATP5C1	286.2	320.9	328.3	294.8	238.5	263.3	349.5	316.4	277.4	256.5	311.7	243.2	237.0	232.4	188.1	284.8	208.8	286.3	248.0	219.2	207.9	256.7	298.6	267.3	216.9	209.9	324.9	306.6	172.5	285.0	301.8	311.7	124.2	237.8	283.3	267.4	265.4	223.9	331.2	340.4
ATP5D	65.4	78.2	75.8	71.8	73.6	63.1	79.9	81.5	68.2	64.1	75.9	76.6	47.1	52.1	55.3	68.7	60.1	56.6	70.6	52.0	54.9	50.2	67.3	64.3	62.1	58.4	70.5	83.9	45.2	76.1	98.3	75.1	45.0	69.9	71.6	64.1	60.3	52.4	61.1	65.0
ATP5E	293.1	296.5	294.2	321.8	284.1	235.9	308.3	300.9	291.4	262.6	292.7	313.8	275.9	279.3	262.0	257.6	261.9	308.2	262.2	303.0	213.5	224.2	259.3	289.3	323.3	242.1	286.9	320.7	217.5	332.2	289.0	308.4	243.6	295.5	308.1	309.3	246.9	193.6	292.4	283.9
ATP5F1	94.9	102.3	133.8	111.1	99.7	99.3	112.8	118.5	114.6	102.4	120.4	99.6	88.8	85.8	74.9	118.1	85.2	129.4	96.3	95.2	84.8	106.6	108.4	97.5	78.5	80.5	100.2	115.4	59.6	99.5	84.2	113.5	46.4	105.5	96.8	110.2	96.6	89.0	100.6	110.1
ATP5G1	116.6	152.5	161.5	115.2	134.9	143.2	159.7	140.3	112.2	101.8	136.6	131.4	102.8	92.7	84.3	112.6	74.6	104.1	128.7	130.3	84.9	125.0	100.7	113.0	114.1	85.0	130.8	127.4	93.5	147.5	144.2	145.5	53.7	121.7	138.7	141.6	89.7	105.7	110.5	137.1
ATP5G2	164.6	169.0	152.6	173.6	172.2	163.3	154.1	165.1	150.1	137.0	169.2	173.3	152.5	122.8	133.1	143.2	122.5	137.0	157.2	141.7	159.1	163.5	156.3	166.8	151.5	137.2	186.2	172.6	110.1	201.9	175.0	146.8	130.0	138.0	187.5	141.0	180.8	136.0	171.1	188.1
ATP5G3	112.7	130.0	152.5	112.7	111.2	99.7	145.4	117.6	107.1	90.9	136.6	116.3	92.1	88.7	80.4	110.7	76.7	106.2	105.3	109.0	100.8	103.3	114.3	106.4	90.3	71.6	121.1	109.9	73.2	122.0	121.6	127.8	49.2	111.3	122.3	118.5	112.4	92.7	118.1	122.5
ATP5H	240.8	245.5	250.5	257.3	233.2	222.9	241.8	246.6	231.9	247.5	273.2	308.5	252.8	218.4	205.4	254.1	215.8	245.8	266.4	208.1	224.6	229.2	285.9	252.4	188.4	192.6	279.9	241.2	167.4	291.6	296.5	258.7	147.3	220.9	262.3	216.7	224.4	183.0	264.0	262.8
ATP5I	316.3	370.4	383.8	350.9	199.9	200.6	355.1	276.5	313.3	265.8	365.1	326.3	208.3	185.1	252.0	277.2	224.6	285.9	308.4	309.9	178.9	203.2	314.3	280.2	292.0	238.3	335.1	303.2	150.7	289.7	433.2	342.0	200.3	297.5	354.7	326.6	220.4	174.0	328.6	315.0
ATP5J	232.6	210.6	244.7	251.0	164.4	170.9	247.9	220.4	178.8	212.0	197.9	183.2	177.9	135.0	146.4	199.8	165.8	178.9	179.7	174.5	158.4	161.0	235.0	207.7	173.5	171.2	217.9	251.4	102.5	194.4	213.0	205.9	99.5	155.0	217.0	215.3	159.4	115.9	212.4	223.4
ATP5J2	178.5	183.5	219.0	197.3	138.6	155.9	181.3	153.6	148.0	152.8	170.9	155.1	128.2	116.5	131.5	131.8	126.3	163.3	169.5	148.4	121.2	134.7	161.5	153.2	151.2	124.2	172.4	185.6	89.7	168.9	185.3	165.6	95.8	140.1	181.8	174.3	117.6	122.2	146.7	169.6
ATP5L	114.2	130.6	126.3	116.9	100.2	102.6	122.4	136.3	130.5	140.3	130.2	156.3	114.4	106.9	87.0	111.2	117.9	128.6	143.3	109.8	104.8	104.7	137.2	131.5	110.3	102.7	143.8	140.7	83.6	145.2	123.8	127.6	77.8	120.7	135.8	115.1	111.0	92.0	124.0	133.6
ATP5O	307.7	332.5	382.8	333.5	329.2	348.3	327.8	384.2	303.8	260.7	348.2	321.0	328.7	284.1	225.2	321.5	219.4	294.2	319.4	258.7	310.5	310.9	327.7	318.2	266.0	210.7	345.3	331.3	237.3	408.6	368.1	335.1	160.4	270.8	366.2	279.7	327.6	241.4	310.3	352.4
ATP5S	1.6	2.8	3.1	1.6	3.8	2.1	2.2	1.8	1.8	1.7	3.8	1.9	2.6	2.8	2.6	3.3	3.1	2.7	2.0	3.2	1.4	1.9	2.7	2.8	1.3	1.6	2.7	1.4	2.1	3.2	1.6	3.0	2.2	1.8	1.5	2.3	1.3	2.2	2.6	2.4
ATP5SL	17.1	21.6	16.7	19.0	16.8	20.2	15.4	20.5	18.8	18.1	16.7	16.6	17.3	17.8	13.5	19.9	13.9	19.7	15.3	15.4	15.6	16.1	18.2	17.2	11.6	13.1	16.8	19.0	12.2	14.5	15.4	19.4	11.0	15.3	15.0	15.6	16.2	13.9	14.0	16.6
ATP6AP1	24.9	26.4	25.0	28.5	29.6	25.9	22.6	33.2	35.0	25.9	29.9	30.0	32.0	33.3	34.0	31.9	29.7	25.2	31.4	27.5	29.5	28.1	31.9	30.6	24.8	25.7	28.5	24.4	22.1	30.9	22.4	28.9	31.4	30.6	24.1	22.9	26.6	24.6	29.1	27.0
ATP6AP1L	1.8	1.8	0.8	0.6	1.4	2.0	0.8	0.9	1.3	0.9	1.5	1.4	1.6	3.8	2.6	1.1	1.7	2.6	1.6	2.3	2.1	0.8	1.8	1.0	1.3	1.8	1.4	2.1	2.5	3.6	1.3	2.5	2.5	2.2	1.1	1.2	2.9	0.8	1.9	0.9
ATP6AP2	12.6	12.4	12.2	10.6	16.7	12.8	10.3	14.4	19.6	15.6	14.2	16.5	19.7	19.9	32.7	14.7	17.3	17.0	16.6	25.2	21.2	15.3	15.5	14.4	10.5	18.1	15.3	13.7	17.2	15.1	11.5	16.7	25.8	21.2	13.0	14.5	15.0	16.2	16.6	14.3
ATP6V0A1	6.5	6.3	6.2	9.7	7.7	6.7	5.1	6.1	8.3	6.3	6.6	8.2	8.8	6.7	10.9	7.8	8.4	7.0	7.2	10.5	7.4	7.3	7.4	7.8	5.4	7.9	6.7	7.3	5.0	5.8	5.3	6.2	10.5	8.2	6.4	5.3	7.4	5.6	7.1	7.0
ATP6V0B	16.5	17.1	16.1	18.2	21.7	19.9	17.1	16.2	20.8	20.5	19.9	25.3	23.1	25.6	21.7	29.4	17.7	19.8	21.4	22.9	19.5	20.3	16.6	26.2	16.9	15.1	18.9	18.6	17.2	19.7	16.2	28.3	26.3	25.9	22.8	16.4	21.0	18.4	19.5	23.8
ATP6V0C	33.7	33.0	32.5	43.1	38.5	40.6	35.7	40.2	44.0	38.6	34.6	42.2	41.2	38.9	48.0	41.8	43.5	34.8	40.6	32.9	43.5	35.5	39.6	36.0	34.0	38.1	39.0	40.9	25.3	39.9	32.2	44.0	53.1	39.3	34.5	38.4	38.3	36.0	37.5	37.1
ATP6V0D1	13.5	14.3	11.9	14.0	15.9	14.0	12.5	15.7	15.9	14.6	16.4	17.7	11.9	14.2	16.0	17.6	16.8	13.8	15.5	14.0	15.6	13.4	15.9	16.7	11.1	12.4	15.6	17.9	9.5	13.2	12.7	16.3	15.2	15.9	15.6	14.1	13.5	12.5	16.6	15.9
ATP6V0E1	53.7	52.9	56.1	66.7	76.4	66.3	63.6	53.4	68.8	61.3	55.1	64.9	82.8	88.6	87.4	62.2	69.2	63.8	61.0	68.5	75.3	67.6	59.9	58.7	50.8	56.3	55.0	57.2	58.2	76.2	51.9	71.6	67.6	66.7	52.1	57.5	66.3	60.2	57.6	49.9
ATP6V0E2	26.0	17.5	24.1	31.3	16.6	22.6	23.0	23.1	29.3	16.2	28.0	21.2	17.1	19.2	15.3	29.1	18.1	18.4	24.8	29.2	19.3	28.1	22.7	17.1	24.0	15.8	21.4	25.2	10.7	29.9	18.5	24.3	9.6	15.5	21.7	23.6	16.7	16.5	17.7	15.2
ATP6V1A	3.2	2.2	2.5	2.2	2.7	2.2	2.2	2.9	3.4	2.4	2.7	2.4	2.9	4.3	2.8	2.6	2.6	3.1	2.7	4.4	3.0	2.5	1.8	2.5	1.9	2.8	2.8	2.8	1.7	2.1	2.3	2.7	5.4	3.6	1.8	3.2	3.3	2.4	2.9	2.9
ATP6V1B2	9.8	10.5	11.1	11.7	11.9	12.3	9.9	12.8	16.1	15.4	14.4	13.2	15.7	16.7	14.9	14.6	13.2	15.2	11.8	15.2	15.4	12.1	13.8	12.9	11.2	12.0	13.8	12.9	12.1	13.8	12.0	14.0	23.9	18.0	10.3	15.5	16.5	18.9	17.5	12.9
ATP6V1C1	4.0	3.9	3.8	3.7	3.9	4.2	3.8	3.2	5.0	4.9	5.4	5.0	5.2	5.5	4.5	4.6	5.1	5.3	4.0	5.1	4.6	4.9	4.9	4.5	3.5	4.2	5.1	4.9	3.8	4.8	3.7	5.3	7.0	5.6	3.8	4.2	5.0	4.9	5.2	5.0
ATP6V1D	34.0	39.7	42.0	31.3	33.6	37.2	46.1	45.5	40.4	48.1	49.3	52.0	45.8	45.4	34.5	53.2	40.9	51.0	43.7	42.2	40.7	39.2	57.5	53.1	33.7	34.8	46.9	44.2	31.6	45.4	30.7	53.8	26.8	46.7	35.2	39.5	40.2	35.3	50.9	41.3

ATP6V1E1	68.6	64.5	71.6	76.3	81.7	72.5	76.0	71.8	71.6	75.8	79.1	93.4	90.8	92.0	74.6	83.2	86.9	79.8	77.4	74.8	96.2	84.7	89.8	85.5	53.2	59.5	88.7	74.1	55.8	90.1	61.7	75.5	71.2	77.6	74.9	70.1	79.9	78.9	83.0	76.0
ATP6V1F	36.7	28.0	34.6	33.7	40.8	33.2	36.6	38.1	37.0	30.5	29.2	27.6	32.0	35.2	44.9	31.0	36.3	32.1	33.2	41.9	30.7	34.4	28.4	30.7	37.5	36.4	43.8	46.6	24.4	38.4	49.8	37.2	57.8	43.3	38.9	54.7	34.4	65.4	40.4	28.0
ATP6V1G1	18.6	20.7	25.1	21.4	24.0	20.9	23.1	22.9	24.7	20.3	21.2	27.9	24.4	24.6	27.3	25.7	24.3	26.3	20.8	24.4	24.3	18.7	25.6	24.8	20.1	19.4	24.5	28.5	17.8	20.0	21.0	27.7	26.2	25.7	24.4	21.6	21.9	23.9	23.4	22.1
ATP6V1H	9.3	8.9	9.6	9.5	12.0	11.0	9.1	9.8	11.9	9.6	12.7	14.0	14.3	11.4	11.9	13.9	8.7	10.6	10.0	11.5	11.5	11.2	12.0	11.0	8.6	11.7	10.4	12.3	8.7	13.1	8.7	11.2	10.0	11.8	10.8	9.8	11.9	9.1	10.3	11.8
ATP8A1	4.5	3.9	2.9	3.4	3.2	3.0	2.1	4.4	4.5	2.7	2.8	3.6	1.8	4.6	1.7	3.3	2.7	4.0	4.1	5.3	3.9	3.1	1.9	3.2	2.7	3.2	1.8	2.9	1.7	2.5	3.2	3.8	3.0	3.7	4.8	3.3	6.2	1.5	1.9	3.8
ATP8B1	1.1	1.3	1.5	1.4	2.4	1.3	1.2	1.1	2.4	2.6	1.5	1.3	1.5	2.6	2.5	1.3	2.5	2.7	2.3	3.0	1.5	1.9	1.5	1.5	0.6	2.9	1.1	1.9	1.4	0.8	2.1	2.1	3.6	2.0	1.4	1.7	1.7	1.0	1.3	2.0
ATP8B2	2.3	2.7	1.7	2.1	3.5	2.6	1.8	3.2	5.0	3.9	3.7	3.2	4.9	5.4	9.0	3.1	4.4	3.7	4.0	7.1	4.7	3.4	2.8	3.1	2.4	5.7	3.2	2.9	5.0	2.1	2.8	3.5	9.9	7.0	2.5	4.7	5.0	5.0	4.5	3.1
ATP9A	5.0	4.8	4.1	4.2	6.4	4.6	3.7	4.9	5.8	7.1	5.7	6.1	5.7	5.3	7.4	4.6	6.0	5.0	5.6	7.0	8.6	5.2	5.5	5.1	3.9	5.8	4.9	4.1	4.5	2.6	4.9	4.2	6.4	6.4	5.0	5.5	6.2	6.0	6.1	5.1
ATPAF1	27.4	28.7	31.3	29.7	30.1	29.6	28.4	32.6	30.1	31.9	39.6	34.3	38.7	42.7	27.2	35.0	32.2	40.4	31.8	32.7	28.6	32.9	31.2	32.7	25.4	28.4	40.5	33.9	26.5	37.6	25.5	34.7	17.3	38.8	33.1	33.6	32.2	30.3	32.2	32.3
ATPAF2	6.3	6.1	5.9	7.5	7.2	9.0	6.5	8.0	8.7	7.1	8.9	7.3	7.6	7.6	5.5	7.9	5.1	10.1	9.1	7.2	6.9	6.8	7.7	7.9	6.5	5.8	8.0	7.9	5.0	8.0	9.0	4.6	6.9	7.0	5.9	6.6	6.9	6.2	6.8	7.8
ATPIF1	33.7	47.1	38.6	56.1	33.2	29.1	50.8	48.0	49.7	39.4	61.0	61.5	40.4	27.2	55.3	45.2	51.4	58.7	54.9	45.9	29.0	29.6	65.3	53.5	48.9	44.8	58.4	70.7	32.8	52.3	81.1	60.7	37.2	52.5	58.1	44.8	36.1	28.4	56.2	49.0
ATRN	8.6	7.1	7.5	7.4	12.5	7.6	7.7	11.2	12.8	7.8	9.1	7.0	7.6	7.3	6.5	9.4	11.0	8.2	8.6	10.2	8.5	9.7	9.4	6.6	4.9	7.3	8.8	7.9	3.4	4.9	4.7	7.8	7.5	9.9	5.2	8.5	9.0	9.2	7.4	10.4
ATRX	5.4	4.9	4.1	3.9	4.8	3.9	4.4	5.5	5.7	4.3	5.1	3.9	4.2	5.4	3.0	4.5	4.9	5.6	5.3	6.4	4.4	4.3	5.0	4.5	3.6	4.2	4.1	4.2	3.2	3.3	3.3	3.9	4.4	5.4	4.5	4.5	5.6	4.0	4.5	6.5
ATXN1	3.2	2.3	2.9	2.4	2.6	2.7	2.0	3.2	3.9	2.7	3.2	2.6	2.8	2.8	2.3	2.4	2.7	3.6	3.5	4.1	2.8	3.2	3.3	2.5	2.9	2.7	2.7	2.7	1.6	1.7	2.5	2.5	2.7	3.5	4.1	2.7	3.6	2.4	2.2	3.7
ATXN10	13.3	18.0	14.3	15.4	17.6	14.0	13.7	14.2	16.5	13.8	18.7	16.8	19.0	19.7	16.7	16.2	15.8	17.4	14.2	16.0	18.2	16.2	16.7	15.8	13.1	14.8	16.2	17.0	14.0	18.6	15.4	19.0	14.8	18.4	14.2	17.9	19.2	18.0	18.9	15.1
ATXN1L	2.7	3.9	3.9	3.2	3.9	3.7	2.8	3.8	5.0	4.1	3.7	3.5	4.1	5.1	6.0	4.4	4.4	4.6	4.7	5.0	5.5	3.4	4.5	3.6	3.6	4.4	5.6	4.9	3.6	3.1	4.9	6.8	7.4	7.4	4.3	8.7	8.3	9.5	7.2	4.4
ATXN2	6.6	6.0	6.0	7.1	6.8	5.5	4.8	6.8	6.6	6.0	5.7	6.3	6.1	6.5	6.4	6.7	6.1	7.2	6.4	7.1	6.2	6.7	7.0	7.7	4.7	7.0	6.4	7.6	4.6	4.0	4.9	6.5	7.5	6.2	5.0	5.2	7.3	6.0	6.7	7.0
ATXN2L	8.3	12.9	9.4	10.8	12.3	11.3	8.0	11.6	14.2	11.9	10.2	11.5	11.7	11.7	18.1	11.7	11.2	11.9	12.5	14.5	14.6	11.2	11.0	10.5	11.3	16.0	12.5	14.0	10.7	12.1	11.2	12.2	24.2	17.2	13.0	12.2	15.0	12.1	16.3	11.4
ATXN7	2.6	2.1	2.2	2.7	2.2	2.6	1.6	2.6	3.4	2.9	2.4	2.4	1.9	3.2	1.5	2.7	3.2	2.7	2.8	3.3	2.1	2.3	2.5	2.2	2.3	2.9	1.8	2.8	1.2	1.4	2.2	2.6	4.9	3.8	3.2	3.5	3.5	2.3	2.9	3.1
ATXN7L3	5.3	5.9	4.4	7.1	6.8	5.5	5.2	6.2	7.4	5.7	6.0	5.5	6.6	7.6	8.1	6.5	5.3	5.2	5.8	7.3	6.1	5.9	5.8	5.2	4.4	5.7	6.1	5.4	5.4	5.2	5.9	6.5	9.2	8.5	6.1	5.0	6.7	7.4	6.9	5.4
ATXN7L3B	12.8	11.4	10.0	10.1	11.0	10.4	9.1	9.5	12.3	10.1	11.3	11.7	8.9	9.9	11.5	11.8	6.7	10.0	10.9	11.3	12.0	12.6	11.6	9.7	9.3	9.2	12.0	13.0	6.1	7.0	7.7	10.1	9.5	10.1	11.6	10.4	12.2	9.3	12.4	12.0
AUH	15.3	15.5	15.1	12.2	18.7	14.8	11.9	13.1	15.9	12.3	18.0	14.7	14.3	13.6	12.0	14.0	11.5	18.0	11.9	15.2	11.6	16.0	15.2	18.5	16.2	13.2	15.3	17.4	11.2	14.9	13.7	16.4	8.8	16.6	16.2	15.4	15.7	10.7	17.8	20.3
AUP1	18.1	19.0	16.4	26.8	21.8	19.5	16.5	17.6	23.2	21.8	17.2	18.5	22.8	23.1	26.5	21.7	20.9	17.6	20.6	21.7	25.6	18.6	17.0	18.3	20.3	19.8	21.4	20.6	18.7	24.1	21.9	24.9	36.1	21.8	21.2	20.3	26.9	19.6	19.6	18.7
AURKAIP1	49.6	51.8	53.0	48.5	50.2	54.2	48.8	50.3	39.2	44.5	51.9	52.7	47.7	45.3	38.7	34.1	36.2	47.4	51.4	40.9	44.4	48.4	45.2	44.6	42.0	32.6	49.4	51.2	44.8	58.7	56.7	45.6	31.9	54.8	53.0	46.6	45.8	52.0	43.7	45.3
AVEN	9.7	5.4	6.5	8.1	9.4	5.8	7.8	6.4	6.8	7.2	5.1	7.5	7.2	11.0	4.8	7.1	8.5	5.6	4.2	4.9	6.7	5.9	5.0	4.8	3.8	6.1	5.4	5.6	4.9	5.8	4.7	7.9	5.8	6.7	5.5	6.3	6.9	7.1	6.7	4.2
AVPI1	2.6	2.5	3.2	3.2	2.5	1.9	2.6	2.5	2.7	2.8	3.6	3.2	4.3	3.9	3.2	3.5	3.3	2.4	2.9	3.4	5.2	2.5	3.4	1.9	2.3	2.2	2.5	1.9	1.4	4.1	2.2	1.8	5.5	3.4	3.1	1.5	3.0	1.7	2.4	2.1
AXIN1	2.8	3.0	2.2	3.0	2.7	2.8	2.4	2.8	3.7	2.8	2.6	3.0	2.9	4.2	4.2	3.5	3.3	2.3	2.4	3.1	2.8	2.5	2.8	2.7	3.4	3.3	3.3	3.3	3.1	3.3	3.1	3.8	6.4	4.3	3.5	3.8	3.7	4.6	4.1	2.7
AXIN2	1.9	3.3	2.9	1.6	4.3	2.6	1.7	2.8	2.3	1.8	1.5	1.8	2.8	3.8	2.4	2.9	2.3	1.5	1.6	1.7	2.8	1.9	2.4	1.9	3.0	2.3	3.5	3.1	3.3	2.5	4.2	3.9	2.3	4.0	5.3	4.5	5.4	5.1	3.3	2.1
AXL	3.7	3.0	2.4	2.0	4.6	4.2	3.2	3.7	5.6	3.6	2.7	2.8	3.9	4.0	9.6	4.8	3.3	2.7	3.9	6.9	6.6	4.1	3.2	2.6	3.8	7.8	3.4	2.6	3.5	3.1	1.9	3.5	10.5	8.4	3.3	5.9	4.6	4.4	5.9	4.3
AZGP1	58.6	81.7	44.5	74.0	110.4	105.8	17.9	54.9	31.3	41.0	38.1	62.3	20.4	23.8	21.7	92.1	58.5	49.9	52.7	40.8	49.8	30.3	42.7	78.6	21.0	28.5	53.3	36.2	13.5	26.6	31.3	33.9	25.1	17.4	18.2	32.9	45.3	14.1	27.3	32.0
AZI1	2.1	3.3	1.6	3.4	2.3	2.2	2.3	1.7	2.4	1.9	2.2	2.7	2.6	3.5	3.0	2.2	2.5	1.9	2.1	2.6	1.9	2.3	2.4	2.5	2.6	2.5	3.4	2.1	3.0	3.2	2.2	3.3	2.8	2.0	2.3	2.5	2.7	3.0	2.2	[illegible]
AZI2	4.7	5.4	5.3	5.4	5.8	4.6	5.0	5.3	5.9	5.8	5.1	4.5	7.8	6.9	6.2	5.9	6.3	7.0	5.5	6.4	7.2	6.0	6.1	5.6	4.0	5.2	6.2	5.2	4.4	5.0	4.7	6.5	13.0	7.2	5.2	5.9	7.5	6.4	6.1	5.6
AZIN1	8.4	10.0	11.8	7.2	10.5	8.6	6.0	9.0	14.6	16.3	11.6	12.4	14.9	20.7	15.6	11.2	22.1	20.2	14.4	15.0	14.1	13.7	21.4	9.2	8.2	12.6	14.6	20.2	9.2	11.3	13.4	17.6	23.8	25.1	16.0	19.9	21.9	23.6	22.9	10.9
B2M	463.7	414.6	321.6	491.7	686.3	507.3	423.0	470.6	572.5	388.9	390.3	388.9	992.2	489.3	982.4	418.4	543.6	415.2	466.7	683.5	546.3	451.7	494.9	627.8	360.3	576.6	523.7	465.9	464.4	776.0	507.8	527.3	1148.9	593.0	473.0	457.7	624.1	379.7	681.4	598.0
B3GALNT1	12.9	8.8	7.3	12.1	6.1	6.0	7.0	9.8	13.6	10.3	11.6	14.0	9.8	13.6	5.4	10.2	10.2	11.8	11.4	9.7	10.2	11.9	10.7	12.7	5.8	8.9	6.1	6.7	5.1	5.8	5.5	7.5	4.3	7.8	10.0	4.4	5.9	4.6	5.7	10.9
B3GALNT2	3.5	3.1	3.9	2.4	4.5	2.9	3.3	3.4	5.2	4.4	4.6	3.1	4.3	4.0	3.0	4.4	3.7	3.8	4.3	4.5	4.1	3.5	3.3	3.9	3.5	4.3	4.1	4.5	2.8	2.5	4.1	4.3	4.9	5.7	5.2	6.1	6.1	5.7	4.0	3.9
B3GALT2	26.1	11.0	9.8	17.7	12.6	10.5	17.7	15.5	16.2	9.1	8.7	10.2	15.6	12.3	3.6	11.0	7.7	8.2	12.3	12.8	10.5	17.4	15.7	13.6	5.8	6.7	4.0	5.4	8.0	4.4	4.7	4.4	2.1	4.9	7.5	3.2	6.0	1.2	7.5	24.3
B3GALT6	1.9	1.7	2.3	2.6	3.2	2.1	1.9	1.7	2.2	1.9	1.9	2.7	2.1	3.3	3.3	2.1	2.1	2.0	1.8	2.7	2.8	2.4	1.6	1.8	1.9	1.6	2.0	2.5	2.5	2.4	2.0	2.7	2.5	2.9	1.5	2.5	3.2	2.2	2.0	1.9
B3GALTL	4.0	6.5	3.4	5.7	4.8	4.9	5.1	6.6	6.0	3.2	6.1	5.0	4.1	5.0	3.4	4.1	4.5	6.1	4.5	4.3	4.0	4.6	6.4	3.8	4.0	3.9	4.7	2.5	3.3	4.2	3.2	3.8	3.6	5.3	4.8	2.8	6.2	2.6	6.1	4.7
B3GAT3	2.5	3.6	3.6	4.7	5.7	2.9	2.5	3.3	5.0	5.4	4.2	4.7	4.8	6.4	8.0	3.4	4.2	4.4	5.0	5.4	5.6	4.3	3.8	3.7	5.5	3.8	3.6	4.4	4.7	5.9	4.7	4.6	6.9	6.1	3.5	3.7	4.8	4.5	3.9	3.6
B3GNT1	10.1	9.6	8.3	9.9	10.1	9.0	9.7	11.6	12.2	9.3	11.3	15.1	11.6	12.0	10.7	12.6	8.3	10.9	12.3	11.5	11.9	10.9	11.4	14.0	8.4	6.5	9.3	9.3	7.2	9.9	6.6	8.9	6.3	9.5	11.2	7.2	9.1	7.1	9.6	9.1
B3GNT2	5.3	4.1	3.7	3.8	6.6	4.7	2.8	4.9	5.8	4.9	3.2	3.9	4.1	5.2	6.3	4.2	5.4	3.7	4.7	7.6	5.3	3.6	4.8	4.0	3.7	6.8	6.1	5.4	3.2	5.0	5.7	4.9	9.1	7.0	4.4	7.3	5.6	6.0	6.2	5.5
B3GNT5	0.5	0.4	0.3	0.8	0.6	0.6	0.4	0.4	0.7	0.8	0.4	0.5	1.0	1.0	0.8	1.8	1.0	0.7	0.8	2.2	0.4	1.0	0.5	0.4	0.9	2.1	0.3	1.3	0.4	0.3	0.7	2.4	4.4	1.6	0.3	1.2	0.9	1.1	2.7	0.9
B3GNT9	1.6	3.0	1.8	3.0	3.9	3.5	2.4	2.8	5.0	3.7	3.7	4.7	4.6	7.1	9.6	3.9	4.9	3.5	4.0	6.9	4.6	4.0	4.5	3.8	2.9	5.4	3.8	4.3	5.1	3.6	3.6	4.8	4.8	4.9	2.9	3.9	3.8	4.5	4.9	2.1
B4GALNT3	5.7	10.3	4.0	8.6	12.2	6.3	6.4	7.6	8.4	7.9	8.8	10.8	6.4	9.4	6.3	6.4	9.5	6.2	8.4	8.9	5.7	6.8	10.9	9.7	3.6	9.4	5.3	7.7	6.6	5.3	5.9	5.8	2.9	4.2	6.0	2.1	5.3	3.1	6.1	6.1
B4GALT1	17.6	12.2	15.0	16.7	12.5	9.8	10.8	12.5	14.1	22.0	11.8	10.7	13.6	13.8	14.1	24.6	14.5	14.4	14.6	16.9	16.4	18.0	12.1	12.1	12.5	18.1	13.1	13.9	8.1	15.1	10.5	12.9	31.6	22.1	24.0	10.6	18.2	13.7	17.2	10.2
B4GALT2	6.2	5.6	4.9	8.7	10.3	6.8	7.1	8.8	9.2	7.2	10.3	9.2	9.3	15.0	12.3	7.2	9.1	8.3	7.9	8.1	8.7	9.3	6.0	7.6	6.5	7.9	7.8	9.6	8.7	7.4	7.5	11.2	5.9	11.9	7.0	7.8	9.7	8.9	6.9	6.1
B4GALT3	5.2	4.1	3.9	6.8	4.1	5.3	3.5	4.8	5.3	4.9	4.1	3.9	5.4	4.6	5.0	6.2	4.9	4.7	6.5	5.7	5.6	5.1	4.7	4.9	4.6	4.5	5.0	5.7	3.4	5.9	4.3	5.3	9.6	5.1	5.5	4.3	4.9	5.6	4.6	3.9
B4GALT4	2.8	3.7	3.1	4.3	5.3	2.9	2.9	3.6	4.2	3.1	2.3	2.8	4.2	5.6	4.8	3.6	3.4	3.2	2.7	4.7	4.3	4.8	3.1	2.8	3.8	3.9	3.4	4.7	3.4	4.3	3.6	3.6	6.0	4.6	3.7	3.7	3.9	4.6	4.2	3.7
B4GALT5	7.6	7.3	5.6	8.8	6.5	6.0	5.3	6.0	8.1	6.6	6.3	4.4	7.0	7.7	7.3	8.8	6.1	8.0	6.9	8.2	6.7	5.9	6.1	4.8	5.4	5.9	6.4	6.4	5.7	5.3	5.5	7.2	9.2	10.4	6.9	6.3	7.5	6.7	8.4	5.7
B4GALT7	2.7	3.1	3.4	3.2	3.6	4.0	2.4	3.8	3.5	3.1	3.6	4.1	3.7	4.5	5.0	3.0	3.6	2.8	3.6	3.6	3.9	3.3	2.7	3.4	3.4	2.7	3.8	2.8	2.4	3.5	2.9	3.3	4.6	3.5	3.5	2.6	4.1	3.9	3.2	3.6
B9D1	1.9	1.6	2.1	2.6	2.3	2.3	1.2	1.8	2.4	1.8	2.7	3.3	1.5	1.5	3.9	3.1	2.2	3.2	2.3	4.1	2.4	2.4	2.1	3.0	2.5	1.5	2.3	1.9	2.0	2.7	2.4	2.5	0.8	3.6	1.6	2.6	1.7	2.2	2.5	2.1
BABAM1	20.1	22.1	20.1	23.5	24.4	22.9	23.1	24.6	24.3	21.2	25.3	22.4	27.9	26.4	20.7	22.9	21.5	21.2	21.1	20.2	20.9	21.3	24.4	22.2	20.4	19.8	24.8	29.0	18.9	26.0	23.3	25.1	20.4	21.6	26.2	20.9	23.0	21.5	24.5	21.8
BACE1	3.4	4.1	3.8	4.3	4.2	4.0	2.9	4.5	5.4	4.5	5.0	4.2	5.1	5.7	7.1	4.7	4.5	5.2	4.5	6.9	5.7	4.8	4.8	4.0	3.5	5.1	3.6	4.5	3.5	3.3	3.7	4.5	7.5	6.6	4.0	4.4	5.8	4.3	5.4	4.9
BACE2	1.9	1.8	2.5	3.2	3.5	2.7	2.3	2.8	5.3	3.3	3.4	3.1	4.5	4.7	7.6	2.7	3.7	2.8	3.1	6.6	4.0	3.1	2.8	2.5	2.5	4.1	1.5	3.1	3.9	3.0	2.2	3.1	10.0	4.0	3.2	3.0	2.9	3.3	2.8	2.4
BACH1	1.5	2.0	1.4	1.4	3.6	1.8	2.2	2.7	3.2	2.3	1.7	1.5	2.1	3.1	1.7	2.4	2.1	2.7	2.4	3.7	1.8	1.9	2.2	1.8	1.7	2.1	2.1	1.3	1.1	1.2	1.8	2.4	4.9	3.2	2.1	3.5	2.7	2.0	3.2	2.6
BAD	12.6	13.1	12.2	13.1	16.2	11.8	17.2	13.9	12.2	7.6	16.9	12.4	19.8	14.6	17.2	16.6	11.6	10.5	11.8	18.8	13.5	12.1	9.0	12.2	11.6	9.4	13.4	13.7	10.8	16.4	13.1	16.3	14.5	13.4	17.4	11.6	13.1	10.7	12.4	11.5
BAG1	14.1	13.4	12.6	13.1	15.4	11.5	13.0	10.5	12.1	9.5	11.8	10.4	15.8	16.1	12.2	12.3	11.3	9.4	10.0	12.1	12.6	12.3	12.3	12.1	9.2	9.7	15.9	11.3	11.7	16.1	10.2	11.6	13.4	12.2	15.0	13.0	13.2	13.2	14.0	11.4
BAG2	6.0	5.8	6.0	8.0	7.4	5.4	6.0	6.5	7.8	6.9	6.7	5.4	8.2	10.5	7.2	6.1	8.2	7.5	5.9	7.7	7.0	6.3	6.7	6.1	3.1	5.8	5.1	6.4	6.3	6.3	5.9	8.0	5.8	9.4	4.0	5.0	5.6	6.8	6.9	6.4
BAG3	36.4	39.2	43.4	48.1	45.0	38.1	34.9	46.1	49.2	44.9	41.7	42.0	45.7	53.4	51.7	47.9	48.5	51.4	43.4	36.8	51.8	44.7	53.1	29.0	36.1	44.2	54.7	56.2	33.6	45.8	57.4	81.8	65.2	68.8	47.6	76.6	58.5	113.6	51.7	23.0
BAG5	3.3	4.0	3.8	3.1	4.3	3.5	2.9	3.8	4.8	4.6	3.6	3.4	4.5	5.2	4.7	3.9	4.3	4.4	3.8	5.4	4.7	3.8	3.8	3.5	2.8	3.6	4.2	4.0	2.6	2.5	2.9	3.4	5.3	5.5	3.4	4.1	4.5	4.3	3.7	4.6
BAG6	28.8	36.8	31.5	37.0	32.9	32.3	24.6	34.2	33.2	35.1	34.6	39.5	37.1	32.3	36.0	32.4	36.6	31.5	34.7	30.3	32.8	37.5	37.2	37.2	26.0	33.7	42.8	43.3	25.7	34.6	35.0	36.4	39.6	37.9	31.6	33.7	38.4	40.3	38.5	39.2
BAHD1	3.7	3.7	2.7	3.1	3.3	3.7	2.4	2.8	4.8	4.4	3.1	4.5	3.0	3.9	4.9	4.1	3.6	3.4	3.2	4.2	3.9	3.8	3.5	3.7	2.8	3.3	4.1	3.9	2.7	3.7	3.2	4.2	5.9	4.9	2.6	3.2	3.7	4.6	4.6	3.8
BAIAP2	2.4	2.7	3.0	3.3	5.1	4.4	4.0	3.8	2.8	1.6	2.4	1.8	2.9	3.1	4.1	5.0	2.1	2.5	3.1	2.9	3.8	3.1	1.8	2.2	6.6	4.1	8.7	4.9	2.5	9.8	4.0	3.1	9.0	7.1	8.4	7.3	7.2	6.2	8.4	1.8
BAK1	5.4	5.3	4.0	5.7	5.3	5.3	4.6	5.2	4.9	4.5	5.6	4.9	4.5	5.3	4.4	4.8	3.6	5.9	4.6	6.0	4.8	4.5	4.7	4.5	4.4	3.0	5.1	5.0	3.7	4.3	5.0	5.0	3.9	6.0	4.2	4.9	5.5	5.0	4.4	3.8
BAMBI	2.7	4.3	5.8	8.7	3.5	2.8	2.8	4.5	7.8	5.6	4.6	8.2	9.2	16.2	12.0	5.9	12.8	11.3	8.9	14.6	6.9	9.2	7.9	8.1	9.3	11.3	5.5	7.5	8.5	16.3	3.9	7.0	22.3	18.9	11.5	4.5	23.9	7.6	6.4	5.5
BANF1	33.4	41.8	35.4	37.2	39.1	34.7	34.4	31.5	43.1	40.8	41.2	42.5	47.9	47.7	39.9	32.4	37.9	42.3	40.0	34.8	41.1	35.4	40.3	37.1	34.0	36.8	48.5	45.3	37.0	47.7	50.9	45.5	30.9	41.5	41.5	38.3	46.0	39.3	42.5	37.6
BANP	2.9	2.5	2.0	1.8	2.5	1.5	1.9	1.6	2.3	2.1	3.0	2.3	2.7	2.1	2.5	1.8	1.9	2.5	2.4	2.2	2.5	2.2	1.8	1.9	1.6	2.1	2.2	1.9	2.2	1.6	2.1	4.2	3.4	2.4	1.9	2.3	1.7	2.6	2.2	[illegible]
BAP1	9.3	10.2	8.6	9.9	11.8	10.5	9.0	9.1	10.6	10.3	11.2	10.1	11.6	12.3	12.4	11.3	10.9	9.2	10.2	10.2	11.7	9.7	9.9	9.2	8.5	8.7	11.6	10.8	9.2	9.4	8.1	9.4	13.0	12.7	10.7	9.9	10.9	10.7	11.7	10.3
BAX	3.8	3.2	2.7	4.9	4.9	3.6	2.9	3.1	5.3	3.0	4.3	4.0	6.2	5.1	9.4	2.5	4.9	5.1	2.7	5.6	5.3	4.1	3.1	4.2	3.6	5.8	3.2	3.2	5.1	5.6	5.1	4.8	10.6	6.0	5.7	3.3	5.2	4.7	4.3	3.3
BAZ1B	9.0	8.7	6.8	7.0	7.4	6.8	6.5	8.5	9.9	8.0	8.2	7.2	8.9	9.7	8.7	8.4	9.6	8.5	8.4	10.5	8.8	8.4	9.7	8.2	5.9	8.7	8.0	8.4	5.2	5.6	6.5	8.2	13.0	11.3	7.2	10.2	10.6	7.9	9.2	9.2
BAZ2A	5.8	6.8	5.4	5.6	7.2	6.9	4.6	6.9	8.8	6.2	7.0	6.6	6.9	7.0	8.8	8.3	7.0	7.6	7.1	9.9	7.1	6.7	6.6	7.6	6.5	8.2	9.9	6.8	5.8	5.1	7.3	6.4	12.7	9.5	7.0	7.7	9.8	8.7	10.0	8.7
BAZ2B	2.6	2.1	1.5	1.6	1.9	2.2	1.8	2.2	3.4	2.2	2.6	1.9	2.2	3.0	2.0	2.0	2.8	2.9	2.2	3.2	1.9	2.1	1.8	1.8	2.0	2.3	1.7	1.9	1.6	2.0	2.1	1.8	2.9	2.8	2.4	2.9	2.7	1.6	2.3	3.3
BBIP1	1.9	2.8	2.7	3.5	2.3	2.6	1.8	3.3	2.8	3.2	3.8	2.7	3.5	4.7	3.9	2.9	4.1	2.9	3.0	3.7	2.7	2.7	3.5	2.7	2.3	2.3	2.1	2.9	2.6	3.3	3.3	3.1	4.1	3.3	3.0	2.6	3.7	3.0	4.4	3.1
BBS1	3.6	4.2	3.6	3.6	4.2	4.4	4.6	4.1	4.7	3.1	4.7	4.2	4.4	4.7	7.4	5.0	4.2	4.8	4.0	6.1	5.0	4.7	4.4	4.4	4.0	4.3	5.5	4.8	3.6	4.0	3.6	4.3	5.8	5.8	4.0	4.0	5.3	4.8	4.8	4.8
BBS10	2.2	2.8	3.4	2.4	2.6	2.4	2.2	2.7	3.3	2.5	2.5	3.2	2.4	3.6	2.8	2.3	3.2	4.2	2.8	4.6	2.7	2.9	3.4	2.5	2.4	2.7	3.7	4.6	1.9	1.6	3.2	2.6	4.0	3.7	3.0	4.4	5.9	3.2	4.5	2.9
BBS2	10.3	11.5	10.0	10.2	11.7	13.9	11.4	12.5	14.6	11.0	13.3	14.1	15.7	13.2	14.3	16.9	12.9	15.1	12.7	16.0	14.2	15.4	13.4	19.4	11.6	11.2	12.1	13.0	10.7	14.7	11.4	15.4	11.6	12.3	11.1	12.6	15.8	12.0	14.5	19.0
BBS4	3.1	3.7	3.8	5.2	4.2	4.4	3.2	3.0	5.0	3.3	4.7	5.3	4.9	5.3	5.3	4.0	4.4	5.0	3.0	4.9	4.4	4.3	4.5	4.6	3.6	4.3	3.9	4.7	4.3	4.8	2.9	4.1	4.7	4.6	4.8	2.9	3.3	4.1	5.0	[illegible]
BBX	4.1	3.9	3.2	3.3	3.6	4.1	3.5	5.1	6.8	3.9	4.5	3.3	4.1	5.4	3.3	3.5	4.4	4.9	4.7	6.2	3.7	3.9	4.0	3.5	3.8	3.6	3.4	4.1	2.6	2.6	3.3	3.3	5.0	3.9	5.7	5.5	3.5	4.6	5.1	[illegible]
BCAM	27.2	23.0	15.4	22.8	23.8	31.8	21.9	23.1	35.2	20.6	25.4	27.3	27.3	28.2	43.2	22.3	25.3	25.8	29.5	25.1	27.3	22.6	22.5	20.1	20.8	26.0	22.2	28.9	20.0	27.9	39.7	29.3	41.2	29.5	34.3	22.7	25.8	22.5	29.6	22.4
BCAP29	7.6	7.4	9.2	8.1	9.2	5.9	6.5	7.4	9.4	7.7	7.7	6.2	8.3	10.6	6.5	8.0	7.3	7.6	6.6	7.8	8.7	8.9	9.3	6.7	4.2	7.6	8.3	8.8	5.2	6.6	7.2	8.9	6.5	8.4	8.0	7.9	10.2	7.6	9.3	9.0
BCAP31	26.0	27.7	27.8	29.4	37.2	25.3	28.1	30.1	38.3	29.9	35.1	29.4	36.5	41.3	44.6	30.5	33.6	26.7	30.0	34.4	46.2	30.1	29.8	27.6	26.7	29.3	31.6	25.5	25.5	38.9	28.4	37.1	54.4	38.9	31.2	33.0	37.2	31.8	37.0	27.3
BCAR1	13.2	13.7	12.6	14.8	17.6	14.3	11.8	13.8	16.4	15.5	14.2	17.9	16.7	18.2	18.0	13.9	13.5	13.4	16.1	13.1	15.3	14.1	16.5	13.6	14.8	15.8	15.0	15.5	13.3	14.3	16.3	18.6	11.6	16.0	15.0	11.9	16.1	17.1	14.5	11.9
BCAR3	2.4	2.9	2.4	2.8	5.5	5.8	2.7	4.3	4.3	2.5	4.0	2.8	4.0	3.5	6.2	3.5	2.5	5.0	2.7	7.9	4.6	3.4	2.6	3.5	4.2	3.3	1.8	3.2	4.5	4.1	3.4	2.8	3.8	4.6	2.9	2.0	2.9	1.8	2.6	3.5
BCAS2	9.1	11.1	11.4	9.8	10.0	10.4	11.7	10.5	13.0	11.2	13.7	13.1	11.3	16.0	11.9	13.4	13.9	11.7	11.6	11.0	12.5	10.2	14.4	12.1	9.7	11.3	11.8	11.9	7.8	11.3	10.2	15.3	19.8	11.7	13.2	11.6	14.1	9.4	13.2	13.4
BCAS3	3.1	3.9	2.8	3.3	3.2	3.8	2.7	3.2	3.5	2.7	3.8	3.0	4.3	3.7	4.4	3.3	2.8	3.5	2.5	3.7	2.9	3.4	2.7	3.8	3.1	3.0	4.1	3.1	2.3	2.5	2.6	2.7	3.4	3.7	3.1	2.5	3.0	1.9	3.9	3.8
BCAT2	16.2	18.8	18.0	19.7	16.6	19.7	16.4	17.6	19.4	18.2	23.6	20.0	21.7	17.8	14.8	18.2	17.8	21.3	17.9	16.2	20.1	18.0	17.1	18.7	12.8	14.2	22.6	22.2	11.7	22.9	19.7	16.6	12.0	18.6	15.8	19.7	18.7	17.8	17.6	17.5
BCCIP	11.1	11.2	13.1	12.6	10.7	9.6	11.3	12.1	13.0	12.7	13.8	11.6	17.1	15.2	12.4	11.0	14.1	13.7	11.0	12.0	12.1	11.9	13.7	11.3	9.2	11.3	15.4	12.8	9.1	15.6	13.6	14.7	11.8	13.0	13.1	12.9	11.2	14.8	12.7	11.8
BCKDHA	28.2	35.3	32.4	34.4	26.4	38.9	29.7	27.2	33.8	27.1	37.8	33.7	36.9	27.9	26.4	39.6	27.2	36.6	31.1	28.4	30.7	31.0	33.6	37.8	28.5	29.9	43.0	43.1	18.9	34.4	30.1	37.7	23.0	31.3	33.4	33.5	33.0	28.4	33.1	34.4
BCKDHB	12.3	8.8	10.0	8.6	10.4	9.4	6.8	11.5	6.5	6.5	8.3	8.6	5.1	7.1	4.6	10.1	7.1	9.1	6.6	7.4	7.8	7.5	7.1	9.6	3.1	6.1	8.1	5.7	2.4	5.6	5.6	5.6	4.9	5.5	4.6	7.0	6.0	4.5	6.1	8.6
BCKDK	19.3	21.9	22.5	23.3	29.0	28.1	21.2	26.2	22.7	19.3	23.5	21.6	25.0	23.8	20.1	23.2	17.9	21.2	21.4	19.5	21.5	23.2	18.1	21.8	21.8	18.4	27.4	26.4	17.5	24.8	19.7	24.9	16.9	24.5	21.5	21.7	24.9	22.7	20.8	23.0
BCL2	1.3	2.9	1.4	1.6	2.0	1.9	1.8	2.2	2.1	2.1	1.4	1.5	1.4	4.6	2.3	1.2	4.4	2.2	0.8	2.5	1.7	1.9	1.6	2.3	2.2	2.6	2.3	1.9	1.2	1.7	2.3	1.9	6.1	4.2	1.2	3.6	2.2	4.1	4.0	1.8
BCL2L1	13.7	23.0	18.9	16.4	28.9	21.0	17.7	19.9	16.0	11.1	13.4	15.5	12.1	22.4	20.5	13.6	17.2	11.6	12.5	11.8	17.8	13.7	15.5	14.1	16.4	17.8	22.3	15.8	12.5	19.4	15.8	15.7	26.0	22.8	19.9	16.1	19.3	25.6	27.7	12.7
BCL2L11	1.7	1.4	0.6	0.7	1.7	1.7	1.2	1.2	2.0	1.4	1.3	1.6	2.4	1.7	2.5	3.0	1.4	1.4	1.3	3.0	1.2	1.5	1.7	1.8	2.1	3.2	2.0	1.7	1.8	1.9	1.1	1.5	8.1	2.3	1.4	1.5	1.4	2.3	2.4	[illegible]
BCL2L12	1.3	2.2	2.3	2.2	2.0	2.1	2.0	1.9	2.8	1.7	3.3	2.7	3.0	2.0	3.0	1.8	2.0	2.5	3.0	2.3	2.3	2.4	2.5	2.2	2.2	2.3	3.1	3.5	2.3	2.5	2.4	1.9	5.0	4.0	2.8	2.0	2.7	2.2	3.2	2.2
BCL2L13	15.1	15.5	18.4	16.7	23.1	18.8	16.6	16.2	14.9	12.6	14.4	14.6	18.7	20.7	13.7	19.1	15.7	17.8	14.3	14.3	14.3	16.3	14.1	15.7	16.7	11.0	23.4	16.3	11.5	12.3	11.3	17.0	16.2	21.5	20.9	22.6	19.7	19.1	20.3	17.3
BCL2L2	9.4	9.2	8.7	10.3	10.2	8.8	8.4	10.3	12.1	10.0	12.7	10.7	12.4	12.9	14.2	9.6	12.7	11.7	9.5	13.4	11.7	10.8	10.1	10.5	10.9	8.6	12.9	10.7	10.3	9.2	8.1	10.5	11.8	17.3	9.6	11.8	11.2	14.3	12.4	10.1
BCL2L2-PABPN1	12.7	14.2	12.5	14.3	21.0	14.4	13.6	15.2	18.6	16.5	14.9	16.0	17.6	19.0	22.5	16.7	15.9	16.2	14.7	20.7	17.4	13.8	15.4	14.1	15.9	18.3	16.3	18.9	17.5	21.7	16.9	17.6	20.5	18.6	18.5	15.4	18.2	13.9	18.3	15.4
BCL3	4.8	4.4	4.3	10.8	5.6	4.4	6.7	2.6	7.2	8.0	2.9	3.7	9.6	5.4	8.5	8.1	6.2	3.7	5.1	5.3	9.9	4.4	3.5	3.5	7.0	6.2	4.7	4.3	3.7	10.9	2.0	9.0	15.0	11.5	5.5	4.1	6.3	6.7	15.0	3.0
BCL6	12.5	13.1	12.6	31.3	23.5	21.1	18.8	20.0	11.5	12.9	9.3	7.4	14.8	17.8	19.7	16.6	16.2	13.3	11.5	16.1	17.5	7.8	8.7	7.0	21.3	21.7	16.2	12.5	12.9	15.3	10.0	17.9	53.4	28.3	19.6	24.6	21.1	16.6	27.7	10.4
BCL6B	4.6	2.3	2.4	2.0	2.0	2.8	2.5	2.4	5.8	4.3	3.5	3.6	3.5	4.4	6.9	7.1	2.4	5.4	4.4	12.3	3.2	5.5	1.8	2.3	3.5	5.7	2.5	6.1	2.0	6.3	3.9	5.7	10.6	6.3	3.2	4.9	4.7	3.6	3.5	3.0
BCL7A	2.5	4.2	3.1	4.8	2.9	2.5	3.0	2.7	4.8	4.2	5.0	4.5	3.7	4.4	4.7	3.1	5.4	4.1	4.3	5.2	4.1	4.2	5.2	4.4	3.9	5.2	4.8	5.2	2.8	3.6	3.9	3.5	3.9	4.3	4.1	3.1	3.2	4.2	6.0	4.7
BCL7B	21.1	20.8	18.9	23.9	22.9	23.0	21.9	24.5	24.1	21.3	23.0	20.6	21.6	25.6	26.5	24.8	20.7	23.2	18.8	22.5	22.1	21.8	23.2	22.6	19.6	19.7	28.4	26.3	16.8	25.7	20.8	26.8	21.9	26.6	20.3	24.5	22.5	26.7	26.9	21.7
BCL7C	11.6	10.8	11.6	9.9	12.7	10.3	10.2	10.0	12.1	10.4	11.4	14.2	13.8	13.9	15.8	6.6	11.2	9.4	11.3	13.4	13.4	9.8	9.8	9.3	12.7	11.3	13.3	14.8	10.9	15.0	14.4	10.9	13.0	12.9	12.2	11.1	10.8	12.5	10.1	10.2
BCL9	2.1	2.7	2.3	2.2	3.6	3.0	1.9	3.2	3.5	2.4	2.7	3.0	2.8	3.1	3.5	3.2	2.5	3.1	2.6	3.2	2.6	3.1	2.6	3.7	2.6	2.3	5.0	4.3	2.7	3.1	3.4	3.3	2.3	3.1	1.8	3.4	3.5	4.0	3.8	4.1
BCL9L	4.8	6.9	5.1	5.8	4.2	6.1	4.2	7.4	6.0	4.1	4.7	5.1	5.0	6.5	10.3	4.4	4.8	3.6	4.5	6.0	5.1	5.9	5.8	5.3	4.7	3.5	5.5	6.6	5.7	4.5	3.4	5.8	6.3	7.2	7.2	6.0	7.8	6.3	10.5	8.7
BCLAF1	8.2	10.5	9.7	8.4	9.2	7.6	7.6	7.9	12.8	12.2	10.6	9.8	9.9	10.2	8.8	9.8	11.9	12.2	11.1	14.5	9.9	9.8	11.4	10.1	9.1	10.2	12.8	9.4	5.5	8.1	8.5	10.6	16.9	13.0	12.3	12.5	13.9	10.4	12.9	14.3
BCO2	27.7	10.2	13.9	11.9	11.6	12.8	14.0	13.7	8.1	16.4	11.0	12.5	22.1	10.2	10.7	16.1	15.7	15.0	13.2	6.6	8.8	22.0	12.8	22.9	5.7	8.2	13.8	14.4	11.1	8.6	23.1	15.4	7.1	12.3	17.1	13.9	11.3	19.0	13.7	28.2
BCOR	3.4	3.7	2.8	3.4	3.0	3.2	2.1	3.5	4.8	4.6	3.7	5.2	2.8	4.4	4.5	4.0	4.6	3.2	3.8	5.1	4.0	3.8	4.0	4.8	2.5	4.6	3.3	3.7	1.9	2.6	2.8	3.7	4.6	5.3	4.4	3.0	3.0	4.6	4.1	4.0
BCR	4.4	4.1	3.2	5.1	4.9	4.0	3.4	4.3	4.6	3.3	3.3	3.4	3.8	3.9	6.3	3.6	3.4	3.3	4.0	3.8	5.6	2.7	3.5	3.1	2.8	4.0	3.7	3.3	3.2	2.5	3.4	3.3	7.9	4.6	3.2	3.5	4.9	3.4	4.8	3.2
BCS1L	8.8	8.7	9.0	10.1	8.8	9.6	8.1	10.1	10.3	9.7	8.1	8.8	10.8	10.8	9.3	7.9	6.6	9.5	9.6	9.8	8.8	9.5	8.0	9.8	8.2	7.7	8.3	10.5	9.1	10.0	10.5	9.0	8.2	10.5	8.7	7.6	11.3	6.5	8.3	8.7
BDH1	11.5	14.5	13.6	11.5	9.3	17.0	8.5	10.4	8.9	9.9	18.2	11.7	10.1	8.3	5.0	14.5	5.3	14.3	8.5	9.8	6.6	11.6	9.2	10.9	7.0	6.7	13.8	13.4	5.0	13.3	9.0	8.8	3.5	9.1	4.5	10.8	8.9	5.5	7.7	10.9
BDH2	3.9	3.7	4.6	4.0	4.9	5.6	3.2	3.1	5.7	4.0	4.9	5.1	6.0	6.1	8.9	5.8	5.5	4.9	4.5	9.4	5.2	4.8	4.0	6.7	5.8	5.6	4.1	6.0	5.0	7.2	3.5	5.7	10.5	5.6	4.7	5.3	4.3	3.3	4.3	5.6
BDNF	0.5	2.5	1.9	1.1	2.4	0.8	1.5	0.3	0.6	2.0	1.5	1.2	2.0	1.5	0.7	0.9	3.5	2.7	2.7	0.5	2.6	1.5	3.7	0.3	0.6	1.3	3.7	5.6	0.1	0.9	2.5	2.5	8.7	0.8	1.8	4.7	4.4	3.5	1.5	1.3
BECN1	19.7	23.4	22.3	27.9	24.1	19.2	23.2	23.4	25.2	22.1	23.0	21.0	28.1	27.9	27.3	22.4	31.8	25.2	19.7	24.1	23.0	25.3	24.0	22.9	18.5	20.5	27.3	23.5	18.5	23.1	18.9	22.2	23.7	28.6	18.9	24.8	27.3	25.4	28.7	23.7
BET1L	7.4	8.6	8.0	7.8	9.0	8.0	6.1	6.2	9.5	7.1	8.2	7.5	9.4	8.9	12.1	7.1	8.7	6.4	7.6	11.3	8.3	8.1	6.7	7.4	6.8	8.2	7.6	8.2	7.7	6.3	6.2	6.2	13.8	8.6	8.6	6.6	7.8	7.0	7.5	5.9
BEX1	3.4	3.2	0.2	0.9	2.1	3.1	3.1	2.0	4.2	5.4	11.0	23.4	1.0	0.8	5.0	12.0	5.7	12.5	8.1	3.6	2.7	4.4	7.4	13.5	4.3	4.1	8.1	2.3	2.6	4.7	1.6	3.9	3.0	10.6	3.8	1.5	0.9	3.5	2.7	3.3
BEX4	15.9	18.0	15.3	15.6	16.0	25.9	14.9	20.5	18.9	13.6	22.1	31.4	16.5	15.3	28.5	21.2	18.3	21.7	25.1	27.2	22.3	19.9	24.9	24.8	18.8	17.1	23.4	22.0	14.4	24.0	19.4	22.4	16.8	19.9	25.2	20.0	19.3	18.0	22.4	20.5
BFAR	5.1	6.0	5.1	6.1	5.7	5.5	4.6	5.5	5.7	5.7	5.6	6.3	5.8	6.8	5.8	6.8	6.9	5.8	6.8	5.9	5.8	7.3	6.4	5.4	4.2	5.9	5.4	4.9	5.4	5.4	5.2	6.3	8.3	6.9	5.4	5.5	7.0	5.2	6.8	6.1
BGN	16.0	18.5	12.8	20.0	55.3	31.5	15.4	28.5	64.1	58.5	39.3	40.6	82.0	148.2	279.5	36.7	71.1	44.1	53.4	178.0	70.8	47.9	32.2	56.1	61.5	171.1	19.9	64.6	140.1	46.6	28.0	89.6	114.3	119.9	23.6	62.0	70.7	82.2	35.9	31.5
BHLHE40	15.8	5.7	4.0	7.0	6.3	28.4	6.7	5.2	17.2	24.0	10.9	10.7	19.9	21.9	44.9	19.0	11.3	7.9	18.1	20.7	13.0	20.6	8.0	11.0	12.7	69.1	7.5	15.9	6.2	34.2	3.2	20.6	74.9	27.3	6.5	11.0	14.0	14.9	22.6	9.3
BHLHE41	3.7	2.6	1.9	1.6	3.0	3.3	2.2	2.6	4.9	2.7	2.7	4.5	3.9	5.8	5.1	3.0	3.2	3.6	3.0	3.9	3.8	4.0	3.1	3.9	1.3	6.7	1.8	2.7	2.6	1.2	1.6	2.9	2.1	1.9	2.6	2.0	1.8	1.5	2.3	3.5
BICC1	1.9	1.4	1.1	0.9	2.0	1.5	1.7	2.1	2.6	1.8	1.7	0.3	2.3	2.0	2.1	1.6	2.2	3.0	2.1	5.5	2.4	2.1	1.6	1.0	1.2	3.9	1.8	1.7	1.0	0.6	0.5	1.6	8.6	4.7	1.2	3.9	4.9	2.7	3.8	2.9
BICD2	8.3	9.2	7.4	11.0	8.9	8.4	6.4	10.0	11.4	9.4	9.4	10.7	8.3	13.1	11.0	10.5	10.7	10.1	10.4	12.3	9.8	8.6	8.9	11.3	7.6	9.4	10.8	11.1	7.0	7.1	7.1	9.6	11.4	13.0	9.3	8.5	14.6	11.3	10.5	10.8
BID	2.7	4.4	3.9	7.4	4.8	3.5	4.4	3.5	2.7	3.3	3.0	4.9	4.1	3.8	4.2	3.2	2.8	3.1	3.3	3.0	3.7	2.8	3.0	3.1	3.6	3.1	5.5	4.4	2.4	6.1	4.2	4.2	6.3	5.3	5.0	4.1	5.8	4.0	5.4	2.9
BIN1	3.2	2.5	1.7	2.3	5.2	3.3	3.7	4.5	6.2	3.6	2.4	4.9	6.2	2.1	7.2	4.8	3.4	4.2	4.2	2.8	6.6	2.8	3.5	3.3	3.7	4.0	2.9	2.4	5.3	3.5	2.9	4.6	9.7	6.3	2.8	2.9	4.1	3.8	4.2	3.4
BIN3	3.0	3.2	3.1	3.4	3.0	3.0	2.0	2.4	3.9	3.6	2.9	3.8	3.6	4.8	5.2	3.4	3.9	3.1	3.1	4.1	3.8	2.9	2.6	3.2	4.1	3.3	2.8	3.1	2.5	3.4	3.0	3.6	6.8	5.1	2.7	4.0	3.9	4.4	4.0	2.6
BIRC2	8.2	7.9	8.8	8.0	10.0	7.2	7.8	8.6	8.5	8.0	7.7	7.1	8.7	9.2	6.1	8.5	7.5	10.0	6.7	8.6	9.3	7.2	7.0	6.4	6.2	7.4	7.3	7.3	5.5	6.1	6.9	7.2	12.6	11.0	8.5	7.9	11.1	6.4	9.0	8.8
BIRC3	2.5	1.4	2.1	1.4	2.8	3.1	3.0	3.3	1.8	0.9	1.2	0.5	1.4	1.3	2.3	3.0	1.6	1.4	1.1	1.8	1.1	0.8	0.7	1.1	4.4	3.0	2.5	1.6	1.6	2.5	1.6	2.8	7.8	2.8	1.1	1.9	1.4	1.0	1.2	1.8
BIRC6	2.9	2.6	2.6	2.4	2.9	2.4	2.2	2.8	3.6	2.2	3.1	2.0	2.6	3.5	2.0	2.2	2.8	3.2	3.5	2.6	3.7	2.6	2.7	2.7	2.7	2.0	2.3	2.4	2.6	1.6	1.5	2.2	2.2	3.4	3.0	2.5	3.7	2.2	2.3	2.8
BIVM	4.8	5.3	4.3	4.3	5.5	4.8	4.7	5.0	5.1	4.7	5.7	4.6	5.8	6.1	4.3	5.1	5.3	5.6	5.0	5.6	4.7	4.1	4.8	4.4	4.0	3.9	5.1	5.4	3.7	4.2	4.6	4.4	3.0	5.0	4.4	4.5	6.3	3.0	5.7	5.2
BIVM-ERCC5	5.2	5.1	4.4	5.3	5.0	3.9	4.0	4.1	5.7	4.4	5.1	4.0	4.4	4.5	2.9	4.0	4.6	5.1	4.7	5.1	4.3	6.1	5.1	5.2	4.1	4.3	3.9	5.1	5.4	2.4	2.4	3.9	6.0	4.5	3.9	4.3	4.5	4.1	5.0	5.8
BLCAP	27.8	26.8	27.3	25.1	26.2	23.9	18.6	23.5	24.8	24.1	25.0	27.2	26.3	27.7	25.2	26.4	23.3	30.4	24.5	27.2	26.6	23.2	27.3	26.6	20.3	20.0	26.0	27.1	22.1	22.6	25.9	24.3	16.4	25.1	24.8	18.2	26.6	19.5	18.9	21.4
BLMH	2.6	4.0	3.5	4.5	4.6	4.4	3.7	4.0	4.7	3.9	4.7	5.0	5.2	5.2	5.6	5.0	4.2	4.4	4.5	5.5	6.1	4.4	4.2	4.1	3.8	4.1	5.0	5.4	3.2	4.6	4.0	4.3	7.5	5.5	4.1	4.9	5.9	4.2	4.9	3.8
BLOC1S2	2.4	4.5	4.1	4.3	4.2	4.5	3.1	3.7	6.2	3.7	4.5	5.0	6.3	8.2	7.1	4.7	4.5	5.0	4.1	5.9	6.1	4.4	4.1	4.2	4.0	3.5	5.0	4.3	4.2	6.1	5.0	5.2	7.1	6.4	4.0	5.3	5.2	5.9	5.3	4.5
BLVRA	13.9	12.3	12.3	16.4	18.8	12.3	12.3	12.0	13.8	13.2	14.1	16.7	19.5	16.1	14.8	14.8	14.7	11.6	15.8	14.3	15.5	12.8	12.0	11.4	9.4	12.4	13.3	11.8	10.2	14.8	12.5	15.4	16.6	12.7	14.9	12.4	13.9	11.2	11.4	12.1
BLVRB	32.1	38.0	36.4	40.8	43.6	35.4	39.6	26.9	27.9	25.1	35.4	32.9	33.6	32.3	34.3	25.3	29.5	27.9	30.0	28.7	35.6	31.2	28.5	26.6	23.2	20.4	39.0	42.6	21.7	41.0	37.4	29.6	37.9	27.4	31.7	30.9	30.1	26.8	26.7	30.2
BLZF1	3.8	2.7	2.7	4.2	3.3	2.0	2.6	3.3	3.9	3.4	4.1	3.6	3.5	3.3	3.3	4.0	2.4	3.6	3.1	5.0	4.5	3.6	3.3	3.7	2.1	3.0	3.4	4.2	2.0	2.1	2.6	3.0	3.7	4.1	3.0	3.5	3.9	2.7	3.6	4.1
BMI1	3.9	4.6	5.1	6.9	3.6	5.1	3.4	4.6	5.7	5.3	3.8	4.0	4.7	8.5	6.3	3.6	5.4	5.6	2.9	6.6	6.1	5.3	6.8	4.9	3.7	4.1	4.0	4.7	3.5	2.1	3.1	3.6	7.1	5.7	2.5	4.7	6.5	5.4	6.9	4.8
BMP1	3.4	3.8	3.3	6.5	4.7	3.5	3.5	4.4	7.1	3.8	4.6	4.0	5.2	5.7	7.5	3.8	3.8	3.8	4.8	6.0	6.8	4.5	3.3	3.6	3.2	6.1	4.1	5.6	6.2	4.8	6.2	6.8	8.9	5.5	4.4	5.1	6.8	4.9	5.4	4.8
BMP2	0.4	0.6	0.6	0.7	0.8	1.1	0.5	0.9	1.2	0.2	0.7	0.7	1.3	0.9	1.9	1.6	1.2	0.7	1.0	1.7	1.1	0.8	0.6	0.8	3.7	2.5	2.7	1.4	1.2	4.2	1.3	1.8	5.7	4.7	2.3	1.9	3.4	1.7	3.0	1.5
BMP2K	2.9	1.8	3.2	1.7	1.8	1.7	1.7	2.3	2.5	1.8	2.4	0.7	1.1	1.6	1.0	1.4	3.1	1.9	2.5	2.9	1.1	1.2	2.4	1.9	0.9	1.8	1.7	2.0	0.4	1.0	1.7	1.7	3.2	1.6	1.5	2.9	2.5	1.8	1.7	2.5
BMP4	2.1	1.8	1.2	1.0	2.3	2.4	1.3	1.8	4.9	3.0	4.8	3.1	5.2	3.3	9.6	2.0	1.6	4.0	3.9	8.0	6.2	5.1	4.2	4.0	5.8	7.2	9.5	5.7	5.6	5.1	2.5	2.9	10.7	7.3	4.8	7.1	6.7	3.9	6.7	5.9
BMP6	1.5	0.7	0.8	0.4	1.5	1.2	0.7	0.9	1.6	1.2	1.0	1.7	1.0	2.9	3.5	2.4	1.7	2.2	1.0	4.8	2.6	1.6	1.3	2.0	0.7	1.9	0.7	0.4	1.4	0.9	0.5	1.4	1.4	1.9	0.4	0.5	0.5	0.5	0.7	1.3
BMP7	2.7	2.2	1.1	1.7	4.2	2.2	2.4	1.4	1.5	0.0	0.9	0.2	1.8	0.1	0.6	0.4	0.4	0.1	0.9	0.3	0.4	0.4	0.2	0.0	0.7	0.1	0.5	0.3	0.4	0.2	0.5	0.3	0.5	0.3	1.8	0.1	3.0	0.2	0.1	0.1
BMPR1A	5.5	6.5	7.5	4.4	8.2	4.5	4.8	6.5	7.4	5.8	6.3	5.7	5.6	8.2	6.6	4.7	7.3	7.2	5.9	9.4	5.9	6.1	6.7	4.5	3.9	5.8	5.1	7.0	3.5	2.8	4.7	6.9	6.1	6.0	6.7	5.7	7.0	5.0	4.9	7.9
BMPR2	4.3	4.5	4.3	4.4	4.6	3.7	3.3	4.0	6.3	4.9	4.7	4.6	5.1	6.3	5.1	4.7	5.3	5.7	5.1	6.4	5.8	4.5	5.1	4.4	3.2	5.1	4.2	4.7	3.8	3.6	4.8	6.1	5.7	6.4	4.4	4.3	5.6	4.7	5.1	4.7
BMS1	4.8	4.5	4.3	5.2	4.2	3.7	3.6	4.5	4.4	3.6	3.9	3.8	4.7	5.1	4.1	4.5	4.0	4.7	3.7	4.7	3.7	3.9	4.2	4.4	3.1	3.8	3.8	4.1	3.1	4.0	3.3	4.5	4.6	5.3	3.5	4.7	4.6	3.9	3.9	4.2
BNIP1	2.6	2.7	2.1	2.3	2.3	3.8	1.9	3.2	3.7	2.4	3.5	3.0	2.8	3.8	3.1	2.8	2.3	3.7	2.3	4.5	3.6	3.0	2.7	2.7	2.2	2.7	3.2	2.1	2.9	3.2	3.6	2.5	3.5	3.3	3.0	1.8	3.3	2.3	2.3	2.9
BNIP2	12.2	11.7	13.5	11.4	11.7	10.3	11.2	13.8	15.1	11.8	14.2	11.9	10.6	11.9	14.0	12.1	13.3	14.5	13.6	15.9	11.4	11.3	12.8	11.5	8.8	10.5	13.3	11.8	8.2	10.5	10.9	13.2	14.4	15.2	10.2	13.7	12.8	10.0	13.0	14.4
BNIP3	72.8	52.7	52.5	46.9	80.2	60.7	64.7	68.7	63.1	85.7	69.4	90.2	67.6	80.2	38.8	77.8	57.1	64.5	69.4	49.6	80.7	57.8	67.9	75.0	46.0	48.7	62.4	62.1	35.8	49.8	38.8	62.8	38.3	50.7	71.5	50.0	55.7	38.5	52.7	61.4
BNIP3L	11.9	10.5	7.7	8.7	16.6	12.3	11.0	10.9	13.4	11.0	10.5	9.5	16.9	16.7	21.6	12.3	13.8	13.0	11.4	18.7	19.2	12.6	11.6	10.5	12.4	19.3	13.4	11.2	11.3	11.4	8.8	13.3	32.2	17.8	10.5	13.6	15.2	13.3	18.2	12.0
BOC	1.3	1.2	0.6	0.7	1.8	1.4	0.9	1.5	3.3	2.9	3.0	1.5	6.3	3.0	8.4	1.8	3.5	1.8	2.1	4.7	3.2	2.7	2.0	1.2	2.6	4.5	2.3	4.2	5.1	3.1	1.1	2.5	13.7	5.8	0.9	1.8	4.4	2.3	3.1	2.0
BOD1	12.4	11.1	10.6	11.7	10.0	10.3	8.8	10.0	11.4	8.7	10.3	8.9	14.0	12.9	13.2	10.3	10.6	13.0	8.7	12.0	12.9	10.1	10.1	10.7	8.1	11.7	13.5	12.9	9.9	12.2	10.7	12.7	15.3	13.3	12.2	10.4	13.4	12.3	12.1	10.8
BOD1L	2.9	2.7	2.3	2.2	2.8	2.7	2.4	3.1	4.6	3.1	3.7	2.4	2.6	3.3	2.2	3.0	3.9	3.3	3.3	4.5	2.8	2.9	3.3	3.1	2.5	2.8	2.8	1.7	2.4	2.3	2.7	4.3	3.6	3.2	3.2	3.6	2.3	2.8	3.8	[illegible]
BOK	1.2	1.2	0.6	0.7	1.6	0.9	0.9	1.2	1.9	1.2	1.6	2.0	7.3	4.1	3.1	1.0	2.6	1.6	2.4	2.3	11.2	1.1	1.2	1.2	1.1	1.2	1.8	1.8	2.5	1.4	1.3	1.5	4.7	2.9	2.6	1.5	2.7	2.1	2.2	0.4
BOLA1	4.9	5.5	5.0	5.7	5.4	5.4	5.4	4.9	5.3	5.9	5.2	6.2	7.0	4.3	3.9	4.6	4.9	4.9	5.1	4.8	4.6	3.7	3.9	4.3	3.2	4.1	5.3	4.5	5.3	5.8	4.0	4.8	4.3	5.7	4.6	6.3	3.1	4.4	6.2	[illegible]
BOLA2	2.8	3.2	3.0	4.2	3.2	2.5	3.3	3.3	3.6	2.5	3.3	4.7	2.9	3.7	4.4	2.5	2.4	2.6	3.8	5.0	2.7	2.1	3.1	3.7	3.5	2.7	3.0	4.3	3.1	2.8	3.9	3.5	4.6	4.3	4.1	3.2	3.1	2.8	3.5	3.1
BOLA2B	2.8	3.2	3.0	4.2	3.2	2.5	3.3	3.3	3.6	2.5	3.3	4.7	2.9	3.7	4.4	2.5	2.4	2.6	3.8	5.0	2.7	2.1	3.1	3.7	3.5	2.7	3.0	4.3	3.1	2.8	3.9	3.5	4.6	4.3	4.1	3.2	3.1	2.8	3.5	3.1
BOLA3	18.5	20.3	26.7	24.1	23.2	20.2	25.6	31.7	23.6	17.1	27.8	19.3	16.8	22.2	15.6	18.2	20.3	21.3	21.9	20.8	17.5	19.6	24.9	19.2	18.2	19.8	24.0	24.7	12.2	25.1	25.7	22.0	9.7	21.6	22.0	20.8	21.9	17.1	22.4	20.9
BOP1	3.9	5.3	4.7	6.3	6.2	4.5	4.6	4.5	5.1	4.8	3.9	5.5	6.0	6.2	5.3	3.8	5.1	4.9	5.5	4.1	4.6	4.6	4.4	5.0	4.7	4.7	5.0	4.9	4.7	5.4	5.4	6.3	6.7	7.3	4.6	4.6	5.3	6.7	4.9	3.7
BPGM	4.7	4.2	4.2	3.8	4.3	4.7	4.3	4.5	4.3	3.4	5.3	3.7	4.5	5.4	4.7	4.3	3.7	4.8	3.4	3.6	3.9	3.6	4.1	4.1	2.9	3.0	3.9	3.6	3.0	3.5	3.3	3.4	3.8	3.9	3.5	3.6	3.4	3.0	3.6	4.1
BPHL	3.2	3.7	4.3	2.2	3.4	3.7	3.2	2.1	4.6	5.0	5.6	4.5	4.6	3.5	5.3	2.1	4.1	4.6	3.2	4.9	6.3	4.4	3.5	3.5	3.7	4.5	5.0	2.1	1.8	4.0	3.5	3.3	3.1	4.1	4.9	4.2	3.7	3.2	3.3	3.5
BPNT1	2.4	2.7	2.7	2.6	2.7	2.8	2.2	2.6	3.1	2.8	3.3	2.9	3.7	3.6	3.5	2.7	2.4	3.5	2.5	3.9	3.1	3.0	3.4	3.4	1.7	2.6	3.0	3.6	2.1	3.0	2.7	3.3	2.9	3.6	1.9	2.9	3.2	2.8	3.9	2.9
BPTF	3.5	3.2	3.2	3.5	3.6	3.0	2.7	3.9	5.0	2.9	3.4	2.6	2.9	4.2	2.8	2.9	3.8	3.7	3.6	4.9	3.1	3.8	3.7	3.2	2.9	3.2	3.3	3.4	1.6	2.0	2.4	3.1	5.4	4.4	3.0	4.6	4.5	2.7	3.6	4.6
BRAP	2.1	2.8	2.3	2.7	3.2	2.9	2.3	2.8	3.5	3.2	2.3	2.6	3.5	3.6	3.1	3.2	2.9	2.9	2.9	3.3	3.0	2.7	3.7	3.0	2.2	3.1	3.9	3.6	2.4	2.2	2.8	3.3	4.5	3.4	2.3	3.0	3.2	3.2	4.2	3.3
BRAT1	3.7	4.0	2.3	3.5	4.5	4.3	2.8	3.3	4.6	3.6	4.1	4.8	4.7	3.4	6.1	3.4	3.5	3.8	4.0	5.1	4.4	3.5	3.5	3.9	4.3	3.6	3.2	4.0	3.6	4.0	3.4	3.9	5.3	3.4	3.5	3.3	4.3	3.1	3.3	3.3
BRD1	3.9	4.3	3.6	3.8	5.7	4.3	3.5	3.8	5.1	4.1	4.6	4.5	4.4	5.2	6.1	4.8	5.0	4.4	4.4	5.7	5.5	4.1	5.0	4.1	4.7	4.2	5.2	5.2	4.0	4.3	4.0	4.6	7.9	6.0	4.9	4.6	6.7	5.0	6.0	4.9
BRD2	20.0	24.4	20.1	25.8	25.4	24.4	19.1	23.1	28.9	24.5	21.5	22.0	30.1	29.5	39.6	26.3	22.6	24.1	23.3	33.6	27.4	22.6	25.1	24.7	27.9	31.2	31.8	29.1	21.3	29.0	23.6	25.4	54.5	35.8	26.6	35.9	32.8	23.4	37.7	28.3
BRD3	3.4	3.5	2.3	3.1	4.5	3.0	2.4	3.5	4.4	3.9	4.3	3.6	4.4	4.6	4.7	4.1	3.9	3.8	3.8	4.1	3.5	3.6	3.4	3.0	3.4	4.0	4.2	2.8	3.2	3.7	4.9	4.9	3.0	3.7	5.0	4.1	5.0	4.4	[illegible]	[illegible]
BRD4	5.7	8.3	6.7	9.2	8.8	7.3	6.6	8.0	7.7	6.7	6.5	6.4	8.3	9.7	7.6	8.1	7.0	8.3	7.5	7.8	6.2	7.8	7.0	7.6	10.4	10.1	8.6	5.5	7.2	8.2	8.3	15.1	12.0	9.9	10.7	12.5	10.4	11.7	7.5	[illegible]
BRD7	14.9	14.1	11.3	13.1	13.6	13.5	10.8	15.6	17.7	15.9	14.4	13.5	18.1	17.2	17.5	15.8	14.6	16.3	13.7	15.4	14.9	13.7	15.9	15.2	13.0	17.0	14.4	15.7	13.3	13.7	11.6	14.0	16.5	17.4	16.1	12.6	15.9	14.5	14.6	16.1
BRD8	7.3	7.3	5.6	7.8	9.7	7.2	7.0	8.2	10.8	8.5	8.6	8.1	12.1	10.9	12.4	9.6	9.8	9.7	8.3	10.8	10.1	7.9	9.0	9.2	10.1	9.3	10.6	9.9	8.6	10.8	9.1	8.8	14.6	12.5	9.8	12.5	13.1	8.7	15.7	9.2
BRD9	5.0	5.2	4.1	5.5	6.5	4.2	4.7	4.4	6.3	4.2	5.5	5.4	6.4	7.6	7.0	5.1	5.5	5.7	5.1	5.7	5.5	4.8	5.1	6.1	4.7	4.7	5.6	6.7	5.3	5.8	4.5	5.7	7.0	5.8	5.1	6.0	6.1	4.8	5.0	5.4

BRE	16.4	20.6	14.8	20.6	19.7	17.1	15.5	19.4	19.1	19.0	20.7	21.9	26.8	26.1	19.8	23.4	20.5	19.8	19.6	17.8	20.1	22.8	20.7	20.7	16.7	17.2	21.3	20.0	15.8	21.3	16.9	20.9	15.3	19.2	14.6	18.6	18.8	17.8	22.3	18.1
BRF1	2.9	2.9	2.5	2.0	3.8	3.2	2.6	2.9	3.9	2.9	3.1	3.8	2.9	3.6	4.1	3.0	2.9	3.0	3.4	3.7	3.5	3.4	3.4	3.7	2.8	3.7	3.6	3.6	2.8	4.0	3.2	3.1	4.9	3.7	2.9	2.6	3.9	2.8	3.2	3.2
BRF2	2.2	3.1	2.9	2.6	3.0	2.6	2.6	3.0	4.1	3.2	4.9	4.3	3.9	4.9	5.3	3.5	3.1	3.3	3.4	4.1	4.8	3.4	3.7	3.8	3.1	2.8	5.0	4.0	2.9	2.7	3.3	3.2	2.7	3.2	3.0	3.3	3.3	2.4	3.0	3.5
BRI3	39.1	37.7	40.0	45.3	36.9	35.4	32.5	31.0	31.3	34.1	36.4	32.9	39.0	40.0	41.3	32.2	32.0	29.7	32.9	30.4	39.3	28.4	37.0	33.0	25.6	35.4	34.7	38.4	29.9	37.9	40.5	38.1	37.6	31.9	32.4	28.7	35.8	30.2	30.6	31.2
BRIX1	5.5	5.8	5.0	5.1	5.4	4.7	5.0	5.1	6.5	5.3	5.3	4.9	8.1	7.1	7.7	5.2	6.9	5.2	4.9	6.4	6.4	5.4	5.7	6.1	5.6	5.0	7.7	6.3	6.0	8.0	7.0	7.6	8.1	7.1	5.6	5.8	7.8	6.1	6.6	6.1
BRMS1	3.3	5.9	4.7	7.2	6.3	5.9	5.9	5.4	6.3	6.3	5.8	6.4	6.8	7.3	8.3	6.3	7.3	5.9	5.6	6.6	6.8	4.9	5.4	5.8	6.7	4.6	7.6	6.9	5.6	7.8	6.4	6.7	10.5	6.6	6.7	6.0	6.0	8.0	7.0	5.7
BRMS1L	5.2	4.4	3.2	4.3	4.1	4.0	4.4	3.9	5.1	3.9	4.3	3.3	4.0	5.1	4.8	4.7	4.0	4.2	4.5	4.9	3.6	4.5	4.8	4.0	3.9	3.3	5.0	4.2	3.6	3.5	2.8	5.3	3.3	5.2	4.4	3.8	4.3	4.5	4.5	4.4
BROX	3.5	4.8	4.0	4.7	3.4	3.3	3.5	4.9	5.7	5.4	5.7	4.1	3.7	5.2	2.3	5.6	7.1	6.7	5.1	6.7	3.3	4.3	5.0	5.8	2.7	4.0	6.3	4.0	1.3	1.6	3.9	4.0	6.0	6.1	5.0	5.1	5.0	4.8	5.7	6.9
BRP44	26.0	32.6	32.6	25.8	31.9	28.6	29.8	26.7	27.5	24.5	32.2	27.7	26.5	31.4	24.5	27.1	26.5	31.6	28.2	24.6	28.5	29.8	31.0	26.6	22.1	21.5	33.0	33.4	23.5	29.0	28.3	31.3	17.5	29.4	29.9	29.6	30.5	30.6	31.0	28.2
BRP44L	101.6	155.6	146.9	108.0	109.1	144.8	119.4	135.0	107.9	116.4	127.1	138.8	104.6	88.4	89.6	120.3	83.1	126.7	111.5	101.8	106.6	123.4	152.0	156.2	97.7	110.3	137.3	179.5	76.7	154.2	157.0	150.4	57.5	112.4	116.2	113.0	106.5	113.9	140.0	162.5
BRPF1	1.8	2.3	2.2	2.1	2.4	2.1	1.6	2.4	2.8	1.8	1.6	2.0	2.0	2.7	3.4	2.3	1.9	2.1	2.2	2.6	2.7	1.9	2.2	1.7	1.9	2.6	2.6	2.5	1.5	2.2	1.9	2.7	3.8	3.3	2.9	2.7	3.3	2.5	3.1	2.5
BRPF3	4.2	4.4	3.2	4.8	4.9	3.0	3.6	4.5	4.3	3.9	3.9	3.0	3.2	4.3	4.3	4.2	3.6	3.8	3.8	4.2	3.7	3.6	3.7	3.5	2.9	3.8	5.5	5.2	2.5	2.8	3.0	4.3	7.1	5.6	3.6	5.3	6.0	5.7	5.7	4.0
BRWD1	5.7	4.6	4.7	3.8	5.6	4.8	3.8	4.0	5.9	5.0	5.0	6.5	4.9	6.5	4.6	4.2	4.9	5.9	4.7	6.7	5.8	5.0	5.3	5.2	4.7	5.4	4.5	5.1	3.7	4.4	3.9	4.7	5.9	5.4	4.5	4.7	5.9	4.5	3.9	4.8
BSDC1	13.3	14.2	13.1	12.0	15.2	13.7	11.3	12.8	15.5	12.9	14.0	14.1	16.1	17.1	17.9	13.8	15.5	16.7	13.5	18.5	14.0	13.6	12.5	14.1	14.1	14.1	14.7	15.9	11.4	13.3	11.4	13.9	22.1	19.1	17.4	15.0	17.6	16.4	19.1	14.3
BSG	405.2	303.0	305.2	345.4	437.9	392.0	406.3	356.3	402.7	455.0	448.7	675.6	336.1	390.7	359.7	458.8	355.9	356.2	467.0	317.3	453.8	451.0	479.2	659.4	306.3	358.5	396.5	392.9	224.7	383.7	340.2	421.0	242.5	359.8	408.2	309.0	388.6	287.5	279.9	559.1
BST1	0.7	0.7	0.9	0.7	1.2	0.6	1.1	1.3	3.0	1.5	1.1	0.6	1.9	1.0	5.0	0.7	1.5	0.8	1.6	3.7	2.9	1.3	1.7	0.9	1.5	1.9	1.4	1.5	1.7	1.2	0.8	1.8	3.0	1.8	1.4	1.1	1.5	0.9	1.7	1.2
BST2	23.8	15.2	9.7	15.7	24.2	17.4	15.0	17.4	22.6	15.2	11.3	17.0	50.7	12.4	36.6	18.2	13.9	19.5	27.1	35.6	25.1	15.4	18.0	40.8	16.4	22.7	13.3	18.8	17.8	27.4	23.8	22.7	29.5	25.9	18.7	20.7	19.0	10.8	16.6	28.1
BTAF1	2.8	2.9	3.4	3.3	3.1	3.5	2.8	2.7	5.2	2.9	3.7	2.9	2.1	4.0	2.2	2.7	3.7	4.2	4.1	6.3	3.5	3.0	2.9	2.5	3.1	3.1	2.6	2.8	1.7	2.3	3.0	2.8	6.3	4.5	3.4	3.7	5.2	2.2	3.4	3.9
BTBD1	44.6	35.0	34.7	39.9	59.3	39.0	39.8	41.6	49.7	45.1	47.6	50.1	43.1	46.7	31.5	52.7	41.9	49.8	37.9	40.4	45.0	47.1	50.1	44.2	35.8	32.4	45.8	47.5	28.9	35.3	30.5	42.6	26.9	45.9	40.0	40.1	53.1	40.5	40.4	43.3
BTBD10	4.7	5.0	4.3	5.1	5.0	5.1	4.3	4.4	6.8	6.1	5.5	6.0	7.3	7.8	7.6	5.2	6.0	5.9	5.3	7.2	5.5	5.3	5.7	6.1	3.4	6.4	6.9	6.8	4.1	5.3	5.1	6.5	7.9	8.1	5.2	7.2	7.6	7.0	5.3	6.0
BTBD2	11.9	12.8	10.1	14.6	16.6	16.3	13.0	14.0	15.5	12.7	14.8	12.6	16.2	18.5	19.0	14.0	14.4	13.3	12.4	13.7	15.7	13.9	12.6	14.3	11.9	13.1	14.7	16.8	11.3	14.8	11.4	14.4	16.8	16.0	15.6	12.3	18.2	13.6	13.6	13.6
BTBD3	5.8	4.7	3.9	4.2	6.2	4.5	4.1	4.9	5.6	4.6	6.5	4.2	4.9	5.9	4.3	3.7	4.7	5.6	5.4	8.8	5.1	4.8	4.8	4.7	3.5	5.2	4.2	4.1	3.9	2.9	4.4	5.3	4.6	5.8	4.6	5.9	7.8	4.3	6.0	6.2
BTBD6	11.3	10.4	9.7	11.5	13.8	14.5	11.7	11.8	11.0	9.1	11.8	9.3	12.2	14.5	10.9	12.2	9.1	10.4	9.1	13.1	11.5	9.0	10.4	10.8	7.1	9.3	12.4	10.5	9.0	10.4	9.3	11.2	12.9	13.2	9.8	8.3	12.6	8.4	10.7	10.3
BTBD7	1.9	1.8	1.7	1.9	1.9	1.9	1.7	2.1	3.2	1.7	1.8	1.5	1.6	2.5	1.6	1.7	2.1	2.2	2.0	3.4	1.9	1.8	2.0	1.8	1.8	1.6	1.9	1.9	1.0	1.2	1.6	1.7	2.8	2.7	2.2	2.7	3.1	1.9	1.9	2.5
BTBD9	2.4	2.2	2.3	2.8	2.0	2.2	1.9	2.7	2.8	2.4	2.7	2.2	2.5	3.1	1.9	2.8	2.7	2.8	2.1	2.3	2.3	2.2	2.4	2.7	1.3	2.4	2.7	2.5	1.5	1.6	1.7	2.1	1.8	2.5	1.5	2.4	2.4	2.3	2.4	3.3
BTD	1.9	1.8	1.4	1.3	2.0	2.8	1.5	2.7	3.3	1.8	2.2	2.0	2.9	3.4	2.8	2.8	2.7	2.3	2.1	3.2	2.5	2.4	2.2	1.7	2.2	2.6	3.0	2.8	2.0	2.5	1.8	2.2	4.0	3.2	1.8	2.5	2.8	1.6	2.7	2.3
BTF3	119.9	128.3	110.1	133.6	146.4	115.6	107.4	114.8	122.0	113.6	131.5	116.0	134.5	122.8	164.3	121.8	144.5	123.4	114.1	128.0	135.5	114.8	136.0	124.8	102.4	130.5	154.5	140.7	83.7	137.7	118.1	131.8	195.4	126.6	128.2	121.1	137.6	119.6	157.5	132.7
BTF3L4	6.5	8.1	8.3	8.1	7.7	8.1	6.4	6.8	8.4	7.9	8.4	8.6	9.3	9.0	8.1	7.9	8.0	7.3	6.6	8.4	8.4	7.9	8.0	7.7	5.9	8.4	8.9	8.9	6.3	7.7	5.9	8.3	8.9	9.9	7.3	8.0	8.9	8.2	8.4	8.0
BTG1	7.4	6.9	4.4	9.3	13.0	7.1	8.7	6.8	10.8	7.8	6.8	11.1	10.9	12.7	13.6	11.8	11.3	8.8	8.1	12.6	8.5	7.4	7.9	9.9	12.3	8.9	10.0	9.2	8.4	12.0	8.3	9.8	35.3	8.5	7.2	9.5	9.0	8.1	14.4	7.0
BTG2	14.9	11.4	15.7	16.8	18.5	35.2	25.7	11.3	21.4	28.3	14.5	12.4	35.7	30.7	74.4	31.1	35.6	19.3	22.4	26.2	17.0	10.4	9.3	6.7	161.5	223.5	116.2	62.6	43.1	398.0	51.6	59.4	556.4	160.8	94.7	129.9	285.1	159.3	154.8	76.4
BTG3	2.0	1.6	1.4	2.2	2.5	1.9	1.7	1.8	2.5	2.6	1.3	1.7	3.6	3.2	4.1	2.8	3.2	1.9	2.4	4.8	3.8	1.8	2.3	1.4	3.9	7.1	2.3	1.7	2.1	6.2	2.0	2.1	12.4	5.9	2.2	2.0	4.2	3.4	3.3	1.8
BTN2A1	6.0	5.8	5.0	6.1	6.1	5.3	5.2	6.2	8.6	6.5	6.8	5.9	7.2	6.6	8.8	6.8	5.0	6.1	6.8	9.1	6.1	6.4	6.4	7.6	4.6	7.9	5.8	6.1	5.4	5.9	5.9	8.0	10.0	8.1	6.2	5.9	8.4	6.8	7.8	7.3
BTN3A1	1.8	2.1	1.1	2.3	1.4	3.3	2.2	2.3	3.6	2.3	3.8	2.3	4.8	1.5	6.1	1.8	2.6	2.7	3.1	5.0	2.8	2.9	3.8	5.4	1.4	3.7	3.1	3.9	2.8	3.0	3.6	2.7	9.5	2.1	2.0	2.2	2.8	1.4	4.3	4.0
BTN3A2	2.4	2.0	1.2	3.1	2.5	3.1	3.0	2.5	4.2	3.0	3.2	2.5	7.0	2.2	1.4	2.2	3.9	1.4	1.9	3.1	3.7	3.4	4.1	5.4	1.8	3.6	4.8	4.6	3.9	4.5	0.8	3.5	11.3	1.6	2.2	1.3	4.4	2.1	5.3	4.3
BTN3A3	2.4	2.6	1.4	3.0	3.0	2.6	2.0	1.5	3.2	2.0	2.3	2.1	5.7	1.5	5.8	1.5	2.8	2.3	2.7	4.7	3.6	2.4	2.2	3.9	1.2	3.7	2.7	3.2	3.6	3.7	3.9	2.0	8.6	2.7	2.5	2.8	4.1	1.4	3.2	4.1
BTNL9	11.4	15.9	4.4	8.0	26.5	16.2	11.9	18.5	7.3	10.4	9.2	11.9	9.4	7.2	6.5	14.7	8.7	14.8	16.1	9.6	13.7	8.7	12.4	14.8	3.6	7.4	10.0	10.4	5.0	6.6	15.3	13.2	19.3	12.5	9.6	13.2	14.5	9.4	14.9	15.8
BTRC	5.7	6.5	4.7	5.8	5.6	5.4	5.9	7.4	6.4	5.8	6.5	5.9	7.2	8.1	4.5	6.3	5.8	8.1	6.9	6.2	6.0	6.4	6.3	7.1	4.5	4.9	6.0	6.2	4.4	5.0	5.7	6.0	5.3	8.2	6.7	7.8	7.6	7.9	7.2	7.7
BUB3	7.5	7.8	6.9	5.6	8.6	8.0	7.7	7.8	10.7	6.4	10.7	6.8	8.7	8.0	11.1	7.9	7.5	7.9	6.6	9.5	9.3	7.3	7.2	7.8	6.6	8.3	8.3	8.8	6.3	7.9	8.3	9.4	15.7	10.3	7.1	10.5	9.4	8.5	10.9	8.5
BUD13	2.6	2.9	2.5	3.1	3.3	2.6	1.6	2.6	3.5	3.0	2.7	3.1	3.2	3.8	4.2	2.5	3.6	2.7	2.8	4.0	2.7	3.2	3.4	2.2	2.5	3.4	3.5	4.0	1.6	3.5	2.4	3.1	5.0	3.7	3.1	3.1	4.4	2.6	4.3	3.5
BUD31	5.0	5.9	7.0	7.6	8.3	7.6	5.3	6.5	7.6	9.5	5.7	8.4	10.6	10.5	11.6	6.5	9.6	4.9	7.2	8.0	10.8	5.8	9.2	7.8	7.2	9.6	7.1	7.7	6.0	10.7	5.8	7.1	11.0	8.5	6.5	4.9	7.1	7.4	7.0	5.5
BVES	10.5	13.0	7.4	9.8	12.5	7.5	9.1	11.2	12.2	13.9	9.4	7.7	8.6	12.4	5.2	8.7	10.1	9.3	13.3	5.9	7.9	8.7	11.2	7.4	5.7	11.9	8.5	9.0	5.5	7.0	7.8	8.5	6.4	12.3	15.7	8.5	13.9	10.6	10.1	9.1
BYSL	1.7	2.0	1.7	2.2	3.1	1.9	2.2	1.9	2.7	2.3	2.6	3.0	2.4	3.1	2.7	2.6	2.4	2.3	2.2	2.6	2.2	2.2	2.1	2.0	2.6	2.1	1.9	3.5	2.9	2.7	2.5	3.3	2.5	3.3	2.6	2.3	2.7	2.9	2.5	1.9
BZW1	12.5	14.8	16.0	15.0	16.0	11.9	12.8	13.7	18.8	15.7	15.6	13.4	18.4	16.7	19.9	15.2	15.7	15.1	14.0	20.1	20.6	13.4	16.6	12.1	11.1	18.1	14.8	13.7	12.1	13.9	11.8	18.3	34.9	24.0	14.1	20.1	17.7	17.9	19.6	12.0
BZW2	110.3	124.7	98.8	62.3	97.6	107.4	89.7	106.1	79.0	81.8	99.3	82.0	89.4	93.2	60.2	91.8	61.7	95.8	84.7	72.1	76.9	85.2	82.3	78.2	64.2	82.6	102.3	104.8	62.4	100.9	89.6	109.0	46.6	91.3	112.5	96.6	106.8	85.0	90.2	96.3
C10orf10	7.9	25.6	11.0	11.9	30.2	19.6	33.3	8.9	28.9	15.7	8.7	11.4	17.4	15.7	71.0	30.6	12.8	13.3	12.6	14.3	15.6	11.1	10.2	7.3	64.9	130.6	14.8	20.1	44.1	15.2	18.5	26.7	145.2	12.6	10.4	28.4	18.7	13.2	53.7	17.8
C10orf116	19.8	20.6	22.5	14.8	32.1	28.3	28.2	24.7	29.9	16.1	27.8	25.4	29.5	29.8	64.9	16.2	29.3	13.5	34.1	32.1	113.8	15.8	20.2	16.2	17.4	28.7	14.2	20.5	31.8	28.5	17.1	19.8	65.6	28.0	21.1	17.1	14.8	20.0	33.5	20.9
C10orf118	2.3	2.3	3.0	1.7	2.2	1.6	1.7	2.8	3.1	2.9	2.5	1.6	1.6	2.1	0.8	2.1	3.2	3.6	3.3	4.0	1.6	2.1	2.3	2.3	1.7	1.9	2.3	1.5	0.7	1.3	1.6	1.6	2.2	3.4	2.0	3.4	3.5	2.0	2.1	3.4
C10orf128	4.7	4.0	3.0	2.1	4.0	5.3	2.7	5.7	4.3	2.0	3.2	3.2	4.9	1.2	8.4	3.9	3.4	5.7	3.9	6.0	4.6	3.8	2.6	3.9	1.1	1.9	4.0	4.8	1.8	0.3	2.7	4.0	4.8	2.6	2.4	2.6	3.0	2.3	1.7	3.4
C10orf137	2.1	2.1	2.7	2.2	2.2	1.8	2.0	2.0	2.8	2.2	2.5	2.3	2.6	2.6	2.0	2.4	2.1	2.5	2.3	3.1	2.3	1.9	2.4	2.2	1.8	1.7	2.7	2.4	1.8	2.2	2.4	2.1	3.1	2.7	2.0	2.6	2.7	2.3	2.1	2.7
C10orf18	4.0	3.5	3.9	3.2	3.2	2.7	2.8	3.6	5.0	3.2	3.8	2.1	2.9	3.8	2.0	2.9	3.0	3.6	3.4	5.5	3.2	3.2	3.4	3.0	2.5	2.7	2.8	2.6	1.9	1.9	2.5	2.7	4.4	4.3	2.5	4.0	4.9	2.8	3.0	3.9
C10orf26	5.3	5.4	5.1	8.5	7.3	5.8	5.2	6.5	8.4	6.4	6.9	5.8	8.2	8.3	13.6	7.6	7.6	6.8	7.6	9.5	9.9	6.4	5.8	6.2	7.5	10.3	8.6	9.1	7.5	8.3	4.9	8.2	18.9	10.4	8.1	8.0	9.9	9.1	10.5	7.3
C10orf32	4.7	4.7	4.9	3.1	6.6	4.3	5.3	4.7	5.5	3.4	7.0	4.5	4.6	4.9	7.2	5.9	2.7	4.4	3.4	5.9	5.5	5.5	5.2	5.0	3.7	4.6	5.1	4.8	2.9	4.6	3.7	5.8	5.8	5.3	5.1	4.7	6.2	4.8	5.4	5.4
C10orf46	3.8	3.6	3.3	3.5	4.2	3.5	3.1	3.7	4.8	3.0	3.9	3.3	3.7	5.3	2.8	3.7	4.5	4.5	3.6	4.4	4.3	3.9	3.9	3.1	3.6	2.8	3.8	3.8	2.6	3.1	3.1	3.8	4.8	4.6	3.6	3.8	5.0	4.0	4.2	3.8
C10orf54	10.2	13.5	7.1	7.6	8.0	9.6	9.3	12.3	8.6	4.9	5.3	4.7	7.4	6.8	10.2	7.4	5.5	7.8	6.9	6.9	8.1	7.4	6.1	4.9	4.0	5.0	4.9	5.4	6.1	8.9	7.9	7.5	11.4	7.9	4.9	6.1	10.3	7.4	8.4	6.6
C10orf57	2.5	2.2	1.4	2.4	2.6	2.4	2.0	2.0	3.1	2.8	3.0	3.0	3.6	3.7	4.3	2.1	3.0	2.5	2.8	3.1	3.7	3.2	2.4	3.0	1.5	1.9	2.1	2.5	3.1	2.3	2.3	2.2	2.4	2.4	2.6	1.8	3.3	2.2	2.3	2.3
C10orf58	27.5	22.7	23.4	29.3	27.7	27.3	23.1	25.3	18.3	15.6	22.2	14.8	23.5	15.2	16.1	23.1	21.8	18.9	16.9	16.2	33.8	16.7	18.2	19.9	17.5	12.7	22.2	18.2	11.7	20.3	14.7	16.1	26.2	20.1	23.0	17.0	18.6	14.7	20.5	19.8
C10orf71	17.2	25.4	20.4	9.7	19.7	20.4	12.4	19.4	26.0	26.2	30.6	24.7	28.7	23.3	20.4	26.3	25.5	29.1	23.4	16.3	18.0	25.9	31.2	24.8	13.1	26.2	32.8	36.4	17.6	17.3	20.5	22.7	10.2	21.6	13.9	22.5	22.0	22.5	28.8	25.8
C10orf72	3.8	3.6	1.9	2.6	6.9	4.6	2.6	6.4	6.3	3.2	4.0	2.9	4.5	3.1	8.7	4.1	4.0	4.8	3.8	8.2	5.6	3.0	3.7	3.6	3.9	4.7	3.5	3.7	5.0	2.8	3.6	4.4	4.0	5.2	3.9	3.7	4.1	4.2	4.7	3.6
C10orf76	9.3	10.7	9.1	8.2	13.0	11.7	8.4	9.7	12.8	12.4	18.4	13.5	14.1	10.7	11.7	14.4	11.4	11.6	13.1	12.0	10.9	12.2	12.1	16.1	11.5	11.7	20.8	17.3	7.6	13.4	13.2	14.2	11.7	11.5	17.6	9.2	13.9	9.9	14.3	14.0
C10orf84	4.9	5.7	4.5	4.6	4.8	5.0	3.7	4.3	6.6	4.6	4.3	6.6	4.6	6.5	6.2	5.3	5.6	6.9	4.5	7.1	4.7	5.3	5.4	5.7	4.5	4.8	5.3	4.1	4.2	4.6	4.4	6.3	5.1	6.4	4.9	4.7	4.7	3.5	5.5	6.0
C11orf1	6.6	5.0	6.9	6.2	6.1	6.6	6.6	5.2	5.3	3.7	6.0	6.8	5.0	6.9	6.7	7.1	5.1	7.5	5.0	7.6	6.3	5.5	7.3	6.1	4.6	3.4	6.7	5.9	3.6	7.3	7.6	6.4	4.2	6.4	6.4	4.8	5.0	4.5	5.6	4.7
C11orf10	28.7	33.8	33.9	36.7	33.4	28.2	36.9	27.2	36.0	40.4	39.1	43.1	39.3	42.7	46.2	29.2	39.0	32.1	41.3	38.1	35.8	27.5	32.7	33.6	27.6	34.4	42.6	34.5	28.7	41.1	43.6	37.5	36.0	43.2	37.9	31.7	38.8	32.0	37.5	33.6
C11orf17	3.6	3.5	3.4	2.6	5.4	2.5	3.3	3.3	4.5	4.5	4.4	4.0	4.1	6.3	4.6	4.6	3.9	4.4	4.1	5.1	4.0	4.0	3.8	3.3	3.7	2.6	4.2	3.8	3.2	4.1	3.6	4.4	3.4	3.6	4.3	4.1	3.3	4.3	4.0	3.4
C11orf2	15.5	17.5	15.2	16.4	26.1	20.8	18.2	19.3	18.5	16.5	17.3	23.8	20.4	19.2	23.5	17.6	20.5	19.7	21.1	18.7	21.8	19.9	16.9	21.9	19.4	19.4	21.0	22.4	16.1	22.7	17.1	18.8	25.5	22.7	19.5	16.6	22.7	20.3	19.2	18.7
C11orf21	3.8	2.8	2.9	2.7	2.4	1.6	1.8	2.5	2.6	1.5	5.7	2.4	3.9	3.6	2.3	4.4	1.7	2.6	1.5	2.7	2.2	2.0	3.3	3.8	1.2	1.5	2.3	2.7	3.0	3.3	3.8	3.3	1.2	2.8	2.0	1.6	2.2	1.9	2.3	2.8
C11orf24	5.3	8.4	5.8	8.5	9.6	5.7	4.8	7.8	8.5	11.8	8.6	9.5	8.5	13.6	13.1	5.1	14.2	9.6	9.3	8.4	9.2	8.6	8.4	9.8	4.5	11.3	8.5	11.4	7.6	7.3	7.8	10.0	8.8	10.0	6.0	7.2	11.0	10.2	6.9	7.8
C11orf30	3.0	3.1	2.8	2.9	2.9	2.5	2.3	3.7	3.7	3.3	2.9	2.2	2.9	3.3	2.3	3.3	3.1	3.8	3.1	4.4	3.5	2.9	3.0	3.0	2.6	2.9	3.0	3.2	2.0	1.7	2.6	2.9	4.3	3.8	3.5	3.4	4.1	2.5	3.5	3.6
C11orf31	7.0	6.8	5.7	5.4	7.1	6.3	6.8	5.7	8.0	6.2	7.2	9.8	9.7	10.8	8.0	6.0	8.1	6.9	7.9	8.4	8.2	5.6	7.9	7.4	6.2	7.8	6.1	7.8	8.0	9.1	6.8	9.1	9.7	8.4	7.4	5.5	7.8	7.1	4.9	5.2
C11orf46	7.2	7.4	6.8	6.0	7.9	5.1	6.2	7.0	6.7	6.6	6.6	6.2	6.2	5.7	5.5	7.1	6.0	6.9	5.3	6.5	7.6	7.0	7.2	7.1	5.7	5.6	8.2	6.4	3.6	5.1	5.4	6.3	6.5	6.5	6.5	6.4	6.9	4.0	7.8	8.4
C11orf48	3.7	5.8	5.2	7.7	5.4	5.3	5.2	6.2	6.4	5.0	5.4	5.4	7.0	7.8	5.9	5.5	7.5	5.0	5.6	6.7	6.6	4.9	6.1	6.3	4.6	4.4	6.2	6.6	4.2	4.8	5.1	6.4	5.7	6.2	5.9	6.7	5.2	4.7	6.0	6.0
C11orf49	3.8	3.6	3.3	4.2	4.2	4.1	3.7	4.6	6.3	4.2	3.8	5.3	4.6	7.0	6.6	5.1	4.5	5.4	4.1	5.2	5.2	4.3	5.2	5.6	4.6	4.3	4.5	5.5	4.6	5.2	4.2	5.2	4.2	4.7	3.5	3.5	5.1	3.6	4.4	3.7
C11orf51	3.0	4.3	7.3	5.7	5.2	3.7	6.5	5.8	4.7	4.7	6.5	6.0	4.8	3.7	5.0	6.9	4.6	3.6	5.4	4.6	4.5	3.6	3.6	4.5	3.4	3.9	5.5	5.8	4.2	6.2	5.8	6.6	4.8	4.9	6.5	5.5	4.3	3.6	3.7	4.0
C11orf54	3.0	3.7	2.9	2.8	2.7	2.9	3.5	3.2	4.0	3.8	2.7	3.3	3.4	2.9	3.2	3.0	3.9	4.9	3.2	3.5	4.2	2.2	4.6	3.6	4.0	3.4	3.6	4.4	1.6	2.9	3.2	2.4	4.7	5.5	4.6	3.4	4.0	2.0	5.5	3.4
C11orf57	5.7	4.7	4.2	4.2	5.6	4.3	3.9	5.6	4.9	4.8	4.4	4.7	5.4	4.2	4.5	4.7	4.1	4.5	3.4	5.0	4.4	4.3	4.7	3.9	3.8	3.9	6.5	4.4	3.2	3.7	4.2	4.5	4.6	4.6	4.9	4.6	4.8	3.7	5.0	5.2
C11orf58	13.5	14.6	13.7	13.7	14.3	13.5	12.7	13.4	14.8	13.6	14.4	15.5	16.4	17.3	17.6	15.0	15.1	15.6	12.4	16.1	15.6	13.0	15.6	13.7	10.6	13.6	17.0	14.3	9.0	12.7	13.6	17.7	18.2	17.7	15.5	14.7	16.6	16.1	19.7	15.9
C11orf61	1.5	1.5	1.1	1.7	1.7	1.3	0.8	1.3	2.0	1.8	1.4	1.4	3.3	1.8	2.8	1.9	1.3	1.9	2.0	2.6	2.6	1.3	1.3	1.5	2.5	1.7	1.8	2.0	1.8	1.9	2.2	2.0	4.0	2.8	2.5	1.8	2.7	1.7	2.9	1.7
C11orf67	31.9	34.8	29.5	34.0	29.9	26.5	32.2	24.3	26.5	14.4	29.9	22.2	23.7	18.7	30.0	24.4	18.2	20.1	25.6	27.8	23.5	22.6	21.6	22.0	27.2	18.3	38.4	30.5	20.2	36.7	42.3	25.5	17.5	24.1	41.2	27.8	24.1	20.6	31.3	26.0
C11orf68	9.0	11.8	12.5	11.4	15.1	13.6	11.0	10.9	13.2	10.2	16.4	14.9	13.3	17.0	17.5	12.4	13.5	11.6	10.2	14.5	12.1	10.9	12.3	13.1	12.7	11.3	15.9	15.2	11.5	13.0	13.8	15.2	13.3	12.5	12.0	12.4	15.7	14.7	12.2	11.1
C11orf71	2.6	2.5	2.6	1.1	2.7	2.4	2.6	1.7	2.4	1.9	2.3	3.2	3.4	3.5	1.9	2.1	3.4	2.7	1.8	3.4	2.7	3.1	2.9	1.8	2.2	2.5	2.4	2.7	1.7	1.8	1.8	3.0	2.4	2.4	3.2	2.2	2.1	2.8	3.2	3.4
C11orf73	11.1	11.4	11.5	12.2	12.1	11.6	10.3	12.7	10.5	9.4	12.6	12.4	12.7	14.1	11.6	12.2	8.2	11.5	10.0	9.2	14.9	10.0	9.7	10.2	9.3	7.2	13.6	13.1	7.7	12.1	12.5	12.4	9.5	10.4	11.7	11.4	13.5	11.9	11.9	12.9
C11orf74	12.5	11.8	14.2	13.3	13.0	13.4	12.3	12.6	11.7	13.9	11.6	13.3	15.5	12.4	13.1	14.2	12.4	14.7	13.5	12.6	14.4	12.0	13.8	15.6	12.3	11.5	19.0	15.4	8.8	15.8	12.8	13.7	9.5	11.9	11.9	11.3	13.3	10.2	11.7	16.1
C11orf75	7.8	5.1	4.6	4.1	6.8	4.3	5.2	4.7	5.0	4.6	3.4	4.8	4.2	4.9	3.7	5.5	3.5	5.5	4.4	6.5	3.1	2.7	2.8	6.4	5.6	3.4	3.6	4.2	3.9	5.3	3.2	6.6	3.3	5.6	6.3	4.9	7.0	3.2	3.3	3.7
C11orf84	2.5	3.0	2.5	3.8	2.6	2.3	2.4	3.0	3.6	3.2	3.3	3.5	3.5	3.5	4.4	3.8	3.4	3.3	3.3	4.4	3.0	2.7	3.0	3.0	3.0	3.3	3.6	4.2	3.0	3.5	3.2	4.2	5.9	7.2	3.3	3.7	3.7	5.1	4.3	2.4
C11orf95	1.6	1.5	1.3	1.7	1.7	1.8	1.0	1.5	2.8	1.9	2.2	2.1	2.3	2.1	3.7	1.9	1.8	1.6	2.3	3.1	3.0	1.9	1.8	1.8	1.5	2.4	1.4	1.9	1.5	1.4	1.5	2.1	3.0	2.9	1.7	2.2	2.0	1.6	1.7	1.9
C11orf96	6.2	4.8	3.9	12.1	13.2	15.9	10.2	3.0	9.2	8.5	4.7	4.4	10.0	11.7	34.9	8.9	7.4	4.4	6.7	12.7	12.3	2.7	2.5	3.7	32.9	34.2	6.9	4.6	7.5	55.2	4.6	13.0	111.5	24.2	3.8	7.0	13.1	18.8	30.8	7.1
C12orf10	5.7	9.1	6.4	8.5	8.9	8.8	7.2	8.4	8.0	6.5	6.7	10.7	10.5	8.6	11.0	7.5	8.2	7.5	7.6	8.9	9.1	7.0	9.9	8.8	8.0	7.4	11.5	11.3	7.8	7.8	8.5	7.0	10.7	8.2	8.3	9.0	8.9	7.2	8.9	8.1
C12orf11	3.6	3.8	3.5	5.3	5.8	4.2	2.7	4.7	4.8	4.1	3.9	3.3	4.7	6.1	4.1	4.2	3.8	5.0	3.9	5.1	4.3	4.5	4.3	4.2	3.0	4.6	3.9	4.5	3.5	4.0	4.2	5.1	4.3	5.5	3.9	4.3	5.1	4.2	3.9	3.7
C12orf23	7.4	7.4	7.4	8.3	7.6	6.0	6.1	9.1	8.4	6.3	6.3	9.1	7.3	12.0	8.9	7.1	7.8	8.3	6.2	10.2	9.6	6.4	9.6	8.9	5.6	8.7	11.7	8.1	6.1	8.2	7.5	10.8	10.9	11.9	6.4	10.2	11.9	12.6	11.5	9.3
C12orf24	1.0	3.1	2.4	1.8	2.2	2.4	1.7	1.8	2.7	1.2	1.9	2.7	2.3	3.8	2.9	2.0	2.6	2.5	2.3	2.4	3.3	2.4	2.8	2.0	1.4	1.9	2.4	1.9	1.9	2.0	2.0	2.1	2.4	1.8	1.4	1.5	2.2	3.0	3.8	2.0
C12orf35	2.7	2.5	2.6	2.5	2.7	2.5	2.7	3.0	3.8	2.3	2.4	1.6	2.6	3.0	2.2	1.7	2.3	2.8	2.8	4.4	2.5	2.4	2.2	2.6	1.8	2.9	2.3	2.7	1.5	1.6	2.3	3.0	8.3	3.1	3.2	3.4	4.6	2.1	3.1	3.7
C12orf4	2.5	2.4	2.4	3.0	2.6	2.4	1.8	2.7	2.6	2.5	2.5	2.7	3.2	3.9	2.8	2.6	2.4	3.7	2.5	3.1	2.4	3.1	3.1	2.6	2.2	2.3	2.1	2.7	1.7	2.6	2.4	2.6	3.4	3.2	1.9	2.7	2.8	2.7	2.8	2.6
C12orf41	4.4	6.8	5.8	5.3	6.5	5.7	4.3	5.7	5.7	4.9	5.4	5.9	5.7	7.3	6.4	5.7	5.3	6.1	5.3	6.0	5.9	5.5	5.3	5.2	5.2	5.6	7.7	6.0	3.4	5.7	6.7	6.2	5.4	7.7	6.1	5.2	8.1	4.8	5.7	5.1
C12orf44	6.4	5.9	4.5	6.7	6.8	6.8	5.0	5.3	7.6	6.6	4.9	4.3	8.7	9.7	7.6	5.4	3.4	6.4	4.9	9.1	6.9	4.7	4.2	5.7	8.0	6.6	7.6	7.7	6.2	11.3	5.3	7.4	11.7	10.2	5.6	6.6	8.5	6.0	8.1	6.8
C12orf49	1.3	1.6	1.5	1.6	1.9	1.8	1.4	1.9	2.2	2.8	1.9	1.6	1.9	3.0	1.9	1.6	2.0	2.1	2.3	2.6	2.3	1.5	1.7	2.1	0.9	2.2	1.6	1.7	1.6	1.4	1.2	1.9	3.5	2.8	1.5	1.9	2.0	1.8	1.9	1.9
C12orf51	2.6	3.2	2.7	2.6	3.4	2.8	2.2	3.3	3.8	3.1	3.3	3.2	3.0	3.3	3.0	3.0	3.0	3.7	3.7	4.1	3.4	3.5	3.3	3.3	2.7	3.1	3.1	3.8	2.1	2.2	2.9	2.7	4.7	4.4	3.4	3.8	4.1	3.6	3.8	3.3
C12orf52	3.8	4.1	4.1	5.4	4.4	4.3	3.9	4.1	4.4	3.1	4.0	3.4	3.1	5.7	4.5	3.7	3.1	3.5	3.0	3.1	3.4	3.3	3.9	3.0	3.2	3.0	4.1	3.7	3.2	4.2	2.8	3.6	3.2	3.4	3.3	2.9	3.4	2.9	3.4	3.4
C12orf57	52.9	57.0	51.4	64.7	72.6	51.3	47.7	55.9	62.0	54.6	54.2	66.9	56.4	57.8	90.3	46.3	60.8	55.0	67.8	76.1	55.2	54.2	60.0	56.1	56.1	64.1	58.9	68.6	49.0	71.4	54.4	54.2	75.0	70.0	73.4	54.0	62.2	58.5	53.6	39.7
C12orf62	54.3	57.7	59.7	57.0	61.1	58.9	64.7	48.4	49.7	43.3	57.4	53.9	44.5	50.6	41.3	45.9	43.2	41.4	49.5	54.7	44.5	47.3	51.6	49.0	44.2	37.6	55.8	53.4	35.7	63.6	56.0	55.9	35.4	49.5	57.6	49.3	49.4	41.8	55.7	47.2
C13orf1	2.7	3.3	3.3	3.2	3.5	2.7	3.3	2.9	3.3	3.3	3.4	3.5	3.6	4.2	2.9	3.0	2.8	3.7	2.7	2.9	3.6	3.1	3.7	3.1	2.1	2.8	3.3	3.4	2.3	2.9	3.4	3.7	2.0	3.2	2.4	2.4	2.9	3.0	2.4	3.3
C13orf15	19.8	24.7	31.7	18.4	27.6	30.2	42.4	27.2	16.0	15.1	17.4	10.2	14.5	20.0	19.0	22.2	13.4	11.4	15.1	14.9	10.6	9.7	12.5	15.6	28.8	52.9	57.4	37.2	23.1	56.1	52.9	36.9	53.3	40.9	61.8	32.4	39.9	26.4	48.0	24.2
C13orf23	3.3	3.8	3.5	4.3	4.6	3.4	2.9	4.2	4.4	3.8	2.7	3.6	4.1	3.4	3.8	3.8	3.7	4.3	4.3	4.2	4.6	4.2	4.0	3.4	3.1	3.2	4.4	4.4	2.7	2.9	4.0	4.2	5.5	3.5	3.7	4.2	4.8	4.2	5.2	4.5
C13orf27	2.9	2.1	1.5	3.3	2.8	1.9	2.5	1.7	1.7	2.4	2.3	3.0	2.0	3.0	2.4	1.9	3.1	1.8	2.5	2.0	2.8	1.9	2.3	2.2	2.3	1.9	2.0	1.7	2.6	3.1	2.2	2.9	3.7	3.3	2.4	2.4	3.2	1.9	2.0	1.5
C13orf33	2.8	2.5	2.7	2.4	3.8	1.8	2.6	1.5	5.4	3.1	1.9	1.1	1.7	1.6	7.7	2.8	1.7	1.6	2.4	5.8	3.1	2.9	0.7	1.2	3.7	4.1	1.3	2.3	2.8	1.6	0.8	2.5	9.2	5.2	1.8	5.6	5.0	4.5	3.6	2.3
C14orf1	2.7	2.9	2.4	2.4	4.0	3.0	2.5	2.5	3.8	3.0	3.5	4.1	2.8	2.9	4.8	4.2	3.7	3.4	4.2	4.5	3.5	3.1	3.5	3.3	3.8	3.1	3.9	4.3	3.3	3.7	3.2	3.6	2.9	4.0	3.9	3.0	2.6	2.3	4.4	3.2
C14orf109	6.1	7.4	7.1	6.6	6.8	5.4	5.3	6.0	7.0	5.9	6.5	8.3	5.5	6.1	5.7	4.4	5.9	6.8	5.3	6.1	6.1	4.7	5.0	5.9	3.6	6.2	4.5	5.8	3.2	6.0	6.4	6.8	4.8	4.9	7.4	3.8	6.6	4.7	5.0	6.0
C14orf119	4.8	4.0	3.8	5.2	4.9	4.0	3.8	4.4	5.5	5.7	4.8	5.0	6.0	6.2	6.0	5.5	4.9	4.6	4.8	5.4	5.8	5.1	5.1	4.8	4.4	5.3	4.2	4.1	3.6	6.1	4.1	5.1	6.0	5.2	4.9	4.3	6.0	4.5	5.3	5.0
C14orf128	2.1	2.0	2.0	2.7	1.9	2.6	2.4	2.5	3.6	2.4	2.7	3.6	2.2	4.6	3.2	2.2	4.5	3.7	3.1	3.2	2.9	3.3	3.5	4.4	1.7	2.6	3.2	2.5	2.5	2.8	2.9	2.8	1.5	3.1	1.7	2.8	2.2	1.8	2.4	3.3
C14orf129	2.4	2.3	3.2	2.7	2.6	2.1	2.1	2.5	2.9	2.7	3.7	2.7	3.4	3.6	3.8	2.6	2.7	3.3	2.6	2.9	3.6	2.8	2.4	2.3	1.9	2.0	2.4	3.5	2.7	2.7	2.7	2.7	2.7	3.7	2.0	2.5	3.3	3.5	1.5	2.4
C14orf132	0.2	0.3	0.1	0.1	1.0	0.4	0.4	0.3	1.0	1.0	0.7	1.3	1.3	1.4	2.2	0.7	1.3	1.6	0.5	1.1	1.0	0.7	0.6	0.4	0.5	0.9	2.0	1.3	1.5	0.7	0.5	1.0	1.6	3.9	0.4	3.1	1.9	3.8	1.8	0.4
C14orf135	3.8	6.6	5.2	4.6	4.8	4.2	3.5	4.4	5.7	4.9	5.0	5.6	5.3	6.7	5.3	4.3	6.5	7.0	5.4	7.7	6.1	5.7	7.4	7.3	4.5	7.4	5.4	6.8	4.3	5.5	6.4	5.8	7.0	6.7	5.3	5.9	7.4	5.2	5.1	5.0
C14orf139	1.1	1.2	1.2	1.4	1.1	1.2	1.1	1.6	1.9	1.2	0.9	0.7	2.0	1.7	3.2	1.2	0.9	0.9	1.3	1.4	3.4	1.2	0.7	0.9	2.2	1.5	1.9	1.2	2.0	1.6	0.9	1.1	3.7	2.7	1.4	1.5	2.1	2.8	2.3	1.0
C14orf142	4.2	5.5	5.8	5.2	6.2	5.1	4.6	6.4	3.5	3.5	5.9	3.8	3.6	5.6	4.1	3.2	4.6	3.8	3.7	4.3	3.7	3.4	5.3	4.3	3.1	4.2	4.9	5.5	2.8	4.3	2.8	5.0	3.4	5.7	4.5	3.3	4.4	2.1	4.9	5.2
C14orf147	4.9	4.9	6.5	6.5	5.5	4.3	5.2	5.7	5.6	3.7	3.9	4.0	5.2	5.4	6.3	4.3	4.3	4.9	3.9	4.8	6.1	4.5	4.6	3.6	3.1	4.5	4.4	4.6	3.2	4.6	4.9	5.4	5.6	5.5	4.4	4.7	5.8	5.6	5.9	5.1
C14orf149	1.4	1.4	2.1	3.4	3.2	2.2	1.7	1.8	1.9	2.4	2.7	2.0	3.2	3.1	4.5	1.2	3.2	2.8	2.4	3.1	2.4	3.4	1.9	2.2	1.3	3.3	1.5	2.8	2.8	1.9	2.6	2.9	2.8	2.4	2.8	1.5	2.6	4.3	2.3	1.5
C14orf153	7.4	7.4	8.2	9.0	8.2	7.6	7.1	8.3	7.8	8.0	7.5	7.7	11.4	12.3	7.9	9.4	7.9	6.7	7.3	6.1	8.7	8.2	8.6	7.7	5.7	7.4	9.4	10.0	6.3	10.8	7.6	10.8	7.4	6.9	8.7	6.3	8.9	6.5	7.5	9.1
C14orf156	49.3	56.6	52.8	58.3	50.7	47.2	51.0	49.2	50.6	46.8	58.8	60.4	46.3	47.2	39.0	49.0	36.8	48.3	55.5	43.9	42.1	37.4	48.4	43.1	41.7	47.1	54.1	53.1	34.5	64.5	64.5	51.4	30.9	42.1	49.1	41.9	43.5	43.1	51.4	54.7
C14orf159	42.4	55.2	41.8	38.7	35.5	36.4	34.5	36.4	38.4	35.7	59.6	49.0	40.0	32.0	33.7	37.7	23.8	46.1	31.4	42.1	36.2	40.4	41.4	46.4	31.7	34.3	51.2	44.1	27.9	36.3	46.2	37.7	18.5	46.7	44.9	38.8	44.8	31.3	41.0	48.8
C14orf166	65.8	62.4	69.3	81.6	75.4	65.3	67.3	66.8	63.3	61.7	68.6	67.2	70.7	69.1	63.9	75.8	61.1	71.6	61.7	63.2	65.8	61.0	68.3	71.9	60.0	55.5	72.9	68.8	45.4	70.4	65.8	70.2	54.1	63.0	58.8	61.4	64.6	53.4	72.7	67.2
C14orf169	1.5	2.2	2.4	2.6	1.7	2.5	1.5	2.3	2.4	1.7	2.1	2.3	1.7	3.1	2.0	2.3	2.4	1.8	1.8	2.3	2.1	1.8	2.3	2.0	2.6	1.4	3.5	3.0	1.8	2.0	1.9	1.8	1.7	2.1	2.6	1.6	2.9	2.3	2.3	2.1
C14orf179	4.8	4.2	5.5	4.9	5.4	5.7	4.2	3.8	6.8	7.0	8.9	8.2	11.3	11.9	10.4	7.0	10.1	7.6	7.4	8.5	5.9	9.3	6.9	8.2	5.7	6.2	7.9	7.8	9.1	10.1	12.5	10.7	7.1	9.3	8.8	6.9	9.9	14.0	8.2	5.0
C14orf180	23.5	21.3	21.7	25.1	36.2	24.1	28.1	17.0	26.0	25.2	38.8	44.9	35.6	28.3	18.2	41.6	36.5	16.3	32.2	22.8	25.5	30.7	25.7	21.2	22.2	16.2	36.2	33.3	22.3	32.8	22.4	21.1	15.2	16.3	30.3	14.8	21.8	12.5	18.2	20.1
C14orf2	113.3	126.0	129.1	132.1	91.0	110.4	129.9	108.4	103.0	100.8	118.7	110.1	85.2	73.6	77.3	110.0	82.7	108.8	119.9	100.9	78.1	73.8	118.5	96.6	94.3	88.2	134.0	113.5	78.2	107.0	121.7	111.4	55.6	93.1	136.7	99.7	85.3	62.1	98.7	110.1
C14orf21	4.3	5.8	5.7	3.2	3.9	4.3	3.7	6.4	5.9	4.9	6.8	4.7	5.4	5.6	4.5	6.7	5.0	5.9	4.8	5.4	5.4	5.4	5.1	4.8	2.7	3.2	7.2	5.7	2.6	2.6	3.4	4.4	5.4	6.8	4.3	5.7	6.1	6.2	6.0	4.9
C14orf43	3.0	3.0	2.1	2.0	4.1	2.9	2.3	3.1	4.8	2.4	3.3	3.6	2.8	3.4	5.6	3.7	2.8	3.5	3.7	4.7	3.3	3.4	3.4	3.2	2.6	5.0	4.8	3.6	2.1	2.3	3.5	3.3	6.4	4.4	3.6	3.6	4.1	3.6	5.2	5.1
C15orf17	20.4	13.9	15.8	12.2	20.3	14.6	13.8	14.6	15.9	13.6	19.0	14.8	17.4	13.9	16.1	15.0	9.6	15.3	16.2	17.2	15.2	15.6	12.1	13.4	12.9	12.6	19.0	15.1	12.1	15.4	13.4	13.1	12.6	15.2	27.4	12.1	15.3	10.9	12.6	18.1
C15orf23	2.8	1.8	1.7	1.9	3.5	1.3	1.4	1.6	1.8	1.8	3.1	1.6	2.0	2.4	1.4	1.9	1.6	1.4	2.8	1.4	1.8	1.6	2.2	2.3	1.2	1.2	2.7	2.7	1.4	1.9	1.1	1.5	1.6	1.5	2.6	1.5	2.0	1.6	1.6	3.2
C15orf24	21.7	19.6	19.6	26.1	22.8	17.0	22.3	22.3	22.3	20.1	18.7	22.6	25.1	26.5	26.8	22.0	21.0	20.0	20.8	21.9	21.8	21.7	22.0	19.3	14.7	20.4	22.6	19.9	16.9	21.2	17.3	22.9	24.6	22.4	19.3	21.7	20.9	16.1	20.2	21.3
C15orf29	1.9	2.1	1.9	2.0	2.9	1.8	1.6	2.4	2.5	2.1	1.8	1.6	2.5	2.3	3.0	1.8	1.8	2.2	2.2	2.7	2.3	1.6	1.5	1.6	2.0	2.6	1.9	1.8	1.8	2.5	2.1	2.2	4.3	2.9	2.2	2.5	3.1	2.7	2.5	2.2
C15orf38	3.5	3.8	3.0	2.0	3.1	3.4	3.4	3.3	4.5	3.2	3.6	2.8	3.8	3.3	5.5	3.4	4.8	4.5	4.6	6.9	3.4	3.4	3.8	3.3	3.4	4.0	4.2	4.3	3.2	2.2	2.7	2.6	5.5	5.4	4.9	4.1	4.8	2.9	4.8	4.7
C15orf38-AP3S2	2.1	2.1	1.9	1.8	2.9	2.2	1.8	2.4	2.8	2.7	2.9	1.3	2.7	2.0	1.3	2.4	2.1	2.5	2.4	1.3	3.9	2.3	2.0	2.5	1.4	3.5	2.7	2.6	1.9	2.2	1.2	1.9	1.7	2.7	1.5	1.2	2.6	2.3	2.0	2.0
C15orf39	2.7	2.0	1.3	2.2	1.4	2.6	1.4	1.7	3.0	2.3	1.8	2.4	2.5	3.2	4.9	3.9	2.1	2.0	2.0	3.9	2.6	2.6	1.9	2.3	2.1	5.2	1.8	2.3	1.2	2.6	1.5	3.4	3.9	2.3	1.4	2.2	2.1	1.7	2.1	2.4
C15orf41	47.8	33.5	21.1	20.8	88.8	38.3	20.3	30.6	58.0	55.7	46.7	90.0	29.5	42.8	29.7	37.8	39.8	27.7	50.3	33.2	36.2	38.4	60.5	85.2	30.8	44.9	72.5	59.8	17.5	27.1	46.5	35.1	19.3	28.2	57.1	23.7	30.8	19.6	39.3	96.0
C15orf44	3.6	4.0	4.0	3.9	4.5	4.2	3.6	3.6	4.8	4.3	4.6	5.0	6.2	5.7	6.4	4.3	5.9	4.7	4.5	5.3	5.2	4.3	4.7	4.2	3.8	4.2	4.6	3.8	3.6	4.9	3.5	4.3	6.9	4.3	3.3	4.8	4.6	4.4	4.7	4.4
C15orf52	16.7	12.5	13.2	17.5	15.8	11.6	11.6	13.1	14.7	11.0	14.6	9.7	12.8	19.2	10.9	13.1	13.7	11.7	11.7	11.6	10.0	12.5	13.0	10.6	7.0	7.9	14.5	15.9	10.8	9.9	13.1	13.5	5.6	13.4	9.9	14.8	15.6	16.7	12.1	12.9
C15orf57	2.5	3.3	3.3	2.5	7.0	4.4	2.7	2.0	3.7	3.9	3.4	4.5	4.1	4.6	5.2	3.1	3.2	3.8	2.8	4.5	3.7	2.5	3.8	3.0	4.6	4.7	4.7	2.5	3.1	4.8	4.2	3.5	4.8	5.1	4.4	5.0	2.7	3.3	6.6	2.2
C15orf59	12.3	9.5	12.6	28.6	13.6	8.4	16.9	13.3	9.5	7.7	10.7	6.0	10.6	12.0	9.0	13.3	7.9	9.2	9.7	9.8	6.5	8.3	7.3	5.4	6.9	5.6	7.8	9.1	6.4	7.0	9.3	11.2	4.4	12.3	12.1	9.4	10.6	8.8	7.3	6.3
C15orf61	4.3	5.3	3.8	4.2	5.5	4.4	3.3	4.2	4.0	4.4	5.8	4.5	5.3	4.8	4.1	3.0	3.2	4.0	4.6	5.2	4.2	4.8	2.9	2.9	2.4	4.6	4.3	5.3	3.0	4.9	4.2	4.2	4.1	4.8	3.9	3.2	4.3	3.7	3.3	5.0
C15orf63	12.3	15.4	14.1	19.3	11.4	11.9	13.2	14.8	15.2	12.3	14.2	14.3	13.5	12.3	17.5	14.2	13.3	13.3	15.1	14.2	12.5	11.7	16.6	14.7	15.9	13.7	15.5	14.2	11.6	15.7	17.9	17.6	16.3	15.4	16.9	13.8	13.1	12.0	17.9	15.9
C16orf13	10.5	15.3	12.1	14.6	17.3	13.9	10.8	12.4	13.5	13.3	13.2	17.3	13.6	18.1	15.8	12.0	14.8	13.7	12.5	14.3	15.1	12.7	11.9	13.9	13.2	14.6	14.2	17.2	11.5	21.3	14.9	14.7	15.5	16.1	13.9	10.9	13.1	11.2	11.5	12.0
C16orf42	16.0	14.9	15.2	17.9	15.3	14.2	15.5	14.8	16.5	16.8	17.5	18.2	17.9	19.5	18.0	12.9	17.9	14.6	16.1	15.1	16.6	13.1	14.4	14.9	14.1	13.0	17.4	18.7	16.6	18.4	16.5	16.3	17.2	18.8	17.5	15.8	17.0	17.1	18.0	13.9
C16orf45	16.7	19.2	17.9	18.7	22.2	18.7	19.1	20.2	26.0	17.6	22.7	30.1	21.0	24.6	32.9	26.0	27.8	25.6	21.1	27.6	22.3	23.3	20.2	28.0	22.4	22.9	22.3	29.4	18.2	18.4	18.3	24.8	17.8	25.6	18.5	23.7	23.2	21.9	22.7	23.8
C16orf48	3.0	3.4	2.0	3.2	3.0	3.4	2.3	2.3	3.3	3.0	3.4	3.9	3.2	3.6	5.2	3.5	2.6	3.4	2.8	4.1	4.1	3.0	4.3	4.0	4.0	3.5	3.8	3.5	3.7	2.7	3.7	3.2	5.7	3.6	2.9	2.8	3.5	3.0	3.6	3.4
C16orf5	11.2	11.3	10.6	10.8	11.2	12.7	10.4	11.6	11.7	9.0	11.4	11.2	11.2	12.0	11.4	11.3	8.6	12.3	11.6	10.7	10.6	10.9	10.2	12.6	10.4	9.9	13.7	12.2	9.2	13.4	12.5	12.2	9.8	12.7	12.2	12.0	11.3	11.2	10.1	11.6
C16orf52	2.0	2.1	1.6	1.7	2.0	2.0	1.7	1.8	1.9	1.5	1.8	1.6	2.2	2.0	1.5	2.3	1.5	2.2	1.8	2.6	2.2	1.8	2.2	1.6	1.8	1.9	1.8	2.1	1.0	1.7	1.8	2.1	4.1	2.6	2.2	1.9	3.1	2.1	2.5	2.4
C16orf53	2.9	2.9	2.8	2.5	3.3	3.3	2.3	1.9	3.6	2.5	3.5	3.2	3.6	4.3	5.8	3.1	2.2	2.8	3.3	5.1	3.5	2.9	2.7	3.1	2.7	3.4	3.3	3.1	3.4	4.3	2.9	3.3	4.5	4.5	4.3	2.1	3.2	2.7	3.0	2.6
C16orf57	3.5	5.7	5.5	6.7	6.0	4.8	4.8	5.2	6.6	6.2	5.7	5.4	5.9	8.0	6.3	5.8	6.0	6.0	6.0	5.6	6.0	5.0	3.9	4.8	3.8	4.8	6.4	5.1	5.7	5.4	4.9	5.3	6.3	7.7	4.5	6.3	5.7	6.2	7.3	4.4
C16orf58	7.4	8.5	8.2	6.8	8.7	7.9	6.2	7.7	10.8	8.6	11.6	12.5	11.1	11.7	18.7	7.8	11.5	9.8	9.5	14.3	12.6	9.4	10.7	10.5	8.8	10.3	12.0	11.3	9.6	11.4	11.5	10.3	13.6	11.4	10.2	8.2	11.2	10.1	9.4	7.5
C16orf61	14.2	20.5	17.4	22.7	15.0	16.8	16.8	18.8	16.8	17.7	13.3	16.0	19.7	30.1	13.7	15.5	16.6	15.2	16.6	14.0	15.8	15.8	17.6	16.7	13.7	14.6	17.9	20.3	15.5	21.8	22.3	22.9	14.3	16.9	15.6	14.4	20.5	14.9	18.4	17.7
C16orf62	3.8	4.1	4.3	4.1	4.9	4.4	4.0	5.3	6.6	5.1	6.1	6.0	6.0	6.8	7.8	5.4	5.7	5.8	5.1	6.9	6.0	6.2	6.0	6.3	4.9	6.1	6.0	5.4	4.8	5.2	4.0	5.7	7.8	6.4	5.2	5.8	6.2	6.3	5.8	5.9
C16orf7	3.9	3.6	2.8	3.1	6.0	2.7	3.5	4.5	3.4	3.3	3.1	3.5	3.7	5.3	3.9	3.7	3.2	2.9	3.3	4.3	4.2	3.3	3.1	3.7	3.4	2.6	3.9	5.4	3.9	3.6	4.2	4.0	3.8	3.1	2.3	2.8	4.0	3.0	2.8	3.3
C16orf70	2.5	3.6	3.2	3.7	3.9	3.7	3.0	3.9	3.9	3.0	4.0	3.8	4.0	3.8	4.4	3.8	3.7	4.1	3.3	4.8	4.4	2.8	3.8	4.1	3.1	3.1	4.9	4.2	3.3	3.9	3.9	4.0	4.1	4.1	3.5	3.6	4.5	4.4	4.7	3.9
C16orf72	7.7	6.4	5.9	5.8	7.1	7.3	6.2	6.9	8.6	8.3	7.9	7.4	8.2	9.1	6.8	7.7	6.4	7.5	7.3	8.7	7.6	7.3	7.3	8.2	6.3	7.5	8.0	6.9	4.3	6.7	5.6	7.2	11.2	10.5	7.7	8.8	9.0	7.4	9.3	8.3
C16orf80	16.0	12.1	10.5	10.5	12.1	10.2	12.3	12.3	13.9	13.8	17.2	13.9	12.3	15.4	14.0	11.3	11.6	13.0	11.7	15.6	13.9	14.2	15.3	15.0	12.9	11.0	13.1	15.2	9.5	15.3	10.2	11.2	11.2	12.9	12.5	8.4	12.0	6.9	12.3	14.5
C16orf87	3.7	4.2	3.1	2.8	3.3	2.8	3.1	3.5	4.2	4.0	3.4	3.3	4.1	5.3	3.9	3.8	4.3	3.5	3.4	3.6	3.8	3.2	3.5	3.1	2.2	3.2	3.7	5.1	2.0	2.9	2.6	3.6	2.4	3.3	3.8	3.4	3.6	4.2	3.4	4.3
C16orf89	1.1	0.9	1.2	0.5	0.6	1.0	0.8	0.8	1.4	2.9	3.8	2.3	6.6	1.8	9.7	0.9	3.6	6.9	3.8	8.9	5.8	2.3	2.0	1.3	2.1	2.4	2.0	3.2	1.8	5.8	2.9	1.3	8.7	5.5	2.0	2.7	3.1	2.0	1.6	0.8
C17orf101	3.1	3.1	3.4	3.6	3.8	2.8	2.7	3.4	4.0	4.1	4.8	4.6	3.8	4.7	4.1	3.9	3.4	3.7	3.9	3.3	3.7	3.7	4.6	3.5	2.8	3.2	4.5	3.8	2.8	3.7	2.7	3.5	2.8	4.0	3.1	3.6	3.5	3.8	3.1	3.0
C17orf103	4.3	3.6	2.8	3.8	4.6	3.2	3.2	2.5	4.3	5.0	5.7	5.1	4.3	5.0	4.3	5.6	4.2	3.8	4.7	4.3	4.9	4.3	4.5	4.3	2.7	2.8	6.2	5.6	3.1	2.8	3.1	3.9	2.8	4.1	3.9	4.1	4.6	4.2	5.0	4.1
C17orf106	1.9	2.3	2.1	4.5	4.5	2.7	3.9	3.1	3.0	1.8	2.7	3.3	2.6	4.6	3.1	2.6	2.1	2.2	2.7	3.5	2.8	2.6	2.2	2.6	2.2	0.8	3.0	2.1	2.4	1.7	3.5	2.9	3.9	2.8	3.0	2.1	3.3	2.8	3.8	3.4
C17orf108	2.8	2.2	2.9	2.5	2.9	1.9	3.2	2.5	3.0	1.8	4.1	3.2	3.7	3.1	5.1	2.5	2.6	3.3	2.2	3.5	3.6	2.8	3.4	3.0	3.2	3.7	3.8	2.1	2.9	4.5	3.0	2.3	2.7	3.0	2.3	2.1	2.7	2.0	3.2	3.6
C17orf28	1.9	3.3	2.3	1.6	2.2	3.1	3.4	2.4	3.5	2.2	3.3	4.0	3.6	2.6	5.5	3.3	2.2	2.6	4.1	3.1	4.4	3.2	3.4	3.2	2.3	3.2	4.4	3.6	2.1	4.4	5.3	3.8	6.5	2.8	4.6	3.4	3.8	2.9	4.2	3.4
C17orf37	11.6	22.4	15.6	20.5	22.0	18.6	19.5	20.6	18.7	17.6	15.6	16.1	17.8	24.0	14.3	15.2	18.4	14.6	13.6	13.1	16.4	12.9	13.6	15.3	13.8	11.6	19.4	12.0	17.0	16.6	17.1	18.9	16.0	15.8	13.7	14.5	17.1	19.0	16.7	13.3
C17orf39	4.6	3.9	3.5	4.4	4.2	3.4	2.7	4.4	4.4	3.9	4.4	3.7	5.6	5.4	3.7	4.6	4.0	3.9	4.5	4.1	3.9	4.3	3.8	4.3	3.1	3.3	4.2	4.4	2.7	3.1	3.2	3.8	4.5	4.0	4.4	3.2	4.9	3.9	4.2	4.1
C17orf42	2.2	3.3	2.6	3.6	2.6	2.4	3.0	3.7	4.1	2.9	3.0	2.5	2.9	4.5	3.5	3.5	2.4	3.4	2.4	3.3	3.6	3.3	2.8	2.4	3.0	2.8	2.4	2.1	1.9	3.5	2.9	3.7	2.7	2.9	2.2	4.2	3.8	2.3	3.7	3.1
C17orf49	12.3	10.5	10.1	12.8	11.4	13.3	10.8	9.7	10.3	9.1	11.2	10.6	11.7	9.8	14.2	7.1	14.1	10.6	8.2	10.3	13.4	11.7	8.7	9.2	9.0	9.5	12.0	13.6	13.0	13.9	11.2	11.5	16.5	10.1	12.0	9.7	10.8	9.6	9.2	9.7
C17orf56	1.3	2.1	1.9	1.8	3.7	1.9	2.1	1.9	3.1	2.3	1.7	2.4	2.7	2.5	4.0	2.3	1.8	2.5	2.0	2.5	3.4	1.5	1.7	2.1	2.4	1.8	2.2	2.4	1.9	3.1	3.1	3.1	6.0	3.3	2.3	2.7	3.2	3.4	3.5	1.6
C17orf59	2.4	3.0	1.8	3.1	2.9	3.6	2.3	2.6	3.8	2.9	3.4	4.7	3.5	5.2	4.1	3.5	2.5	3.1	2.5	3.8	3.8	3.8	2.9	3.4	2.7	1.2	3.2	3.5	2.4	2.9	3.6	3.0	2.8	2.5	1.9	2.8	3.3	3.4	2.8	2.9
C17orf61	13.8	16.5	17.7	23.3	19.3	18.5	17.3	23.4	27.4	20.2	25.2	25.0	16.3	24.3	23.3	20.5	19.0	29.7	19.5	24.7	19.1	14.8	19.1	25.0	20.5	20.7	23.1	20.7	14.7	24.5	26.3	20.8	24.9	27.5	21.0	20.9	17.2	17.3	19.5	17.3
C17orf62	3.2	4.2	3.8	8.0	5.0	3.7	4.4	2.8	4.9	4.4	5.1	4.4	5.6	5.2	7.8	4.7	4.4	4.3	5.6	6.0	5.9	4.6	4.3	3.3	2.8	3.8	3.2	5.4	3.9	4.7	4.1	6.1	11.1	4.5	3.9	4.4	5.1	4.3	5.0	3.4
C17orf63	3.2	3.1	3.1	3.8	3.8	4.1	2.7	3.9	4.2	3.7	2.8	3.3	3.7	4.5	4.4	4.9	3.5	4.0	3.3	2.7	3.9	3.3	3.6	3.5	3.4	3.0	3.7	4.1	2.8	2.8	3.5	4.0	4.1	3.5	2.0	3.6	4.1	4.0	3.1	3.6
C17orf70	2.2	2.9	2.4	3.2	4.9	3.6	3.0	3.2	3.7	2.4	2.8	3.6	3.4	4.9	4.2	2.6	2.4	2.6	3.4	3.3	3.6	2.9	2.8	2.6	2.7	2.6	3.4	3.6	3.2	3.2	4.1	3.2	5.2	3.6	3.5	3.7	4.4	3.9	2.8	2.8
C17orf71	2.5	2.7	2.1	2.6	3.1	2.6	2.2	2.7	3.2	2.4	3.1	2.8	2.9	4.3	2.8	3.0	2.8	2.8	2.9	3.2	3.2	2.8	2.5	3.0	2.0	1.7	3.4	2.9	2.1	2.0	2.6	2.7	2.5	2.7	1.6	2.7	3.2	1.7	2.3	3.3
C17orf75	4.7	4.6	4.8	3.0	4.5	4.1	3.8	4.4	6.1	5.1	5.6	3.9	5.6	6.2	4.9	4.9	4.7	6.3	4.9	6.3	4.4	3.9	5.7	5.0	4.3	4.4	4.8	5.3	4.0	4.6	5.4	5.9	2.6	4.7	4.9	3.4	4.8	2.5	4.1	4.5
C17orf79	10.4	14.5	10.7	13.4	12.5	10.9	10.7	11.7	14.6	12.6	14.5	14.9	14.3	14.5	17.2	12.5	12.1	12.4	10.9	13.7	15.7	10.1	14.1	12.7	13.7	10.8	12.4	9.8	11.2	12.2	11.9	13.0	13.2	14.8	10.4	10.4	13.3	8.0	10.7	9.8
C17orf80	5.8	6.2	5.3	5.4	6.1	4.7	4.5	6.1	7.2	5.3	6.0	5.5	5.8	6.9	4.6	5.7	5.4	5.9	5.5	6.8	5.3	5.4	6.2	5.9	4.9	4.1	6.6	7.1	3.9	4.2	4.7	5.9	5.3	6.2	5.2	4.9	6.8	5.2	6.4	6.9

C5orf45	2.1	2.3	2.5	1.7	2.7	2.2	1.2	1.6	2.2	2.1	2.5	3.4	3.0	3.2	5.0	1.6	1.8	1.3	3.5	3.8	2.1	2.5	2.6	2.6	1.5	3.5	2.9	3.2	2.6	2.4	2.3	1.8	2.8	3.3	2.1	1.9	2.7	1.5	2.4	1.7
C5orf51	1.2	1.8	1.7	1.7	2.2	2.0	1.3	2.9	2.8	1.9	3.1	1.5	1.7	2.3	1.7	2.3	2.3	3.0	2.4	2.7	1.6	1.7	1.8	1.5	2.7	4.6	2.5	3.4	1.5	2.7	2.5	2.2	5.5	7.0	3.4	3.1	4.8	2.0	3.2	2.0
C5orf53	3.1	3.3	2.3	3.2	3.1	2.2	2.1	3.0	3.9	3.5	2.7	3.0	4.3	3.7	4.1	3.5	3.9	4.4	3.3	4.9	3.8	3.6	4.3	2.8	2.6	3.0	3.2	4.3	3.2	2.7	3.4	3.4	3.9	4.3	3.1	2.4	3.9	2.5	3.5	4.3
C5orf62	3.3	3.8	4.0	4.5	7.6	6.3	4.0	4.7	3.2	3.3	3.0	2.8	2.9	4.5	5.1	3.4	4.7	2.2	3.9	2.3	7.8	3.1	3.6	2.6	7.7	8.7	7.7	6.2	6.3	7.9	4.5	5.4	14.8	6.6	6.4	6.2	7.0	6.5	7.8	4.3
C6	54.9	16.1	18.4	17.8	37.8	21.3	23.4	36.0	57.2	37.5	34.1	26.0	12.5	11.4	18.8	56.3	24.4	29.2	25.9	40.1	53.7	60.5	36.7	58.3	26.5	24.0	24.7	15.6	9.0	20.0	10.1	27.4	17.9	26.1	7.4	27.4	6.1	5.2	10.7	54.2
C6orf1	7.0	6.7	7.2	6.6	8.4	8.3	4.7	5.9	9.6	7.8	8.6	7.8	9.0	9.7	10.8	6.0	9.2	7.9	6.6	11.2	7.8	6.4	8.3	8.2	7.3	8.7	6.9	10.3	8.2	9.8	10.0	9.7	7.7	8.6	7.9	9.3	8.1	7.5	6.4	4.8
C6orf106	31.8	29.3	26.0	37.2	32.6	27.9	26.6	32.9	25.8	22.9	23.9	19.4	29.9	33.7	22.5	21.0	23.7	22.6	22.2	21.3	24.5	26.9	24.4	21.8	20.5	20.8	27.0	28.3	21.1	20.8	21.1	22.5	25.6	28.7	27.3	22.7	34.6	27.6	31.0	25.9
C6orf108	9.6	7.3	4.9	9.2	12.7	8.5	6.8	7.6	8.3	6.2	9.8	13.0	9.4	6.3	9.0	7.7	4.8	8.5	9.8	8.3	8.3	4.7	6.7	6.8	7.9	6.1	8.2	9.7	7.1	8.0	11.3	7.0	6.5	9.6	10.0	9.5	7.6	3.9	8.7	7.2
C6orf115	2.5	1.6	2.7	2.3	3.6	1.0	1.2	2.2	3.7	2.1	3.1	1.5	2.7	2.0	4.1	2.1	2.6	1.7	2.5	2.3	3.0	1.6	2.9	1.9	1.4	2.8	2.5	1.9	3.0	3.1	2.0	2.4	7.5	3.4	1.1	2.5	2.0	2.8	1.6	1.8
C6orf120	3.7	3.7	4.3	4.1	4.7	3.8	3.0	3.9	4.8	4.0	3.5	3.8	3.8	4.5	4.4	4.1	3.5	4.0	3.7	4.1	5.2	4.4	3.4	3.5	3.0	2.7	3.9	3.6	3.1	3.4	3.9	4.3	5.6	4.1	3.8	4.4	4.9	4.9	4.5	4.4
C6orf125	39.2	51.1	34.0	41.9	37.3	44.8	44.9	55.0	60.0	48.8	53.5	59.5	44.2	54.9	42.3	51.9	40.3	54.4	66.3	54.0	40.3	38.2	50.9	56.9	55.8	43.3	55.7	51.6	34.4	65.7	80.1	61.5	32.7	52.8	62.4	54.3	45.5	35.0	56.0	50.9
C6orf129	7.8	5.7	7.8	7.3	5.4	6.7	6.7	5.5	6.7	6.8	7.6	5.4	5.7	10.2	5.0	5.5	6.2	5.3	3.1	4.4	5.8	6.2	4.0	5.0	4.7	6.1	6.4	3.4	4.5	8.4	6.7	7.8	6.9	6.6	3.7	4.9	6.0	7.6	5.0	6.5
C6orf130	5.4	7.6	6.5	5.1	6.5	6.7	5.6	7.2	6.8	4.8	7.1	7.0	9.3	8.7	9.4	6.8	6.6	6.5	5.9	7.2	6.4	6.8	8.9	7.0	6.4	4.6	7.4	7.7	5.9	8.3	6.2	8.2	8.3	6.0	5.7	7.1	6.4	5.2	10.4	8.2
C6orf136	13.1	15.5	14.2	13.5	11.2	12.4	10.7	13.4	12.3	10.1	10.3	9.8	7.0	9.7	8.4	12.1	7.9	11.7	10.8	10.1	7.1	11.0	11.9	11.3	8.5	9.4	14.5	11.4	8.5	10.5	12.5	12.2	5.1	9.5	9.1	9.6	10.5	7.7	9.5	12.0
C6orf142	75.2	63.9	46.6	71.4	48.2	75.1	69.8	80.3	59.2	61.5	55.4	61.2	58.6	55.2	38.1	57.6	56.9	54.9	63.5	50.7	60.2	63.4	64.0	67.8	48.6	50.6	73.2	64.9	30.3	54.1	46.5	45.5	48.5	60.7	70.5	76.0	92.1	39.0	73.0	86.7
C6orf145	5.3	5.3	6.7	5.1	7.7	5.6	5.0	4.1	8.3	7.7	5.4	5.2	6.9	13.0	14.8	7.4	8.8	5.7	7.8	9.4	9.7	5.3	5.4	4.7	15.8	18.4	7.9	8.5	11.3	13.0	8.8	14.5	31.3	23.0	12.1	8.9	12.2	14.8	12.3	5.4
C6orf203	9.0	9.8	10.5	11.8	11.3	13.0	10.3	12.3	13.5	11.9	13.5	10.7	15.2	15.5	10.6	11.0	9.6	14.3	10.5	12.1	11.3	12.6	12.1	12.3	11.0	10.9	12.6	11.8	12.1	18.2	12.8	13.0	7.0	13.6	12.9	11.7	10.8	9.5	10.4	14.2
C6orf211	5.1	5.3	5.3	4.4	5.5	4.6	5.7	4.9	5.6	3.5	4.9	4.4	5.1	5.9	4.4	4.7	3.7	5.8	4.6	5.3	5.1	4.8	5.3	5.3	3.7	3.4	4.9	4.7	3.8	4.2	4.0	5.2	3.6	5.4	5.3	4.5	5.5	3.5	5.6	5.3
C6orf225	4.8	3.8	5.0	3.6	4.6	4.9	4.5	3.9	4.1	3.2	3.9	3.8	3.7	5.3	3.2	4.7	3.5	3.8	3.4	4.0	3.8	4.1	4.1	4.1	3.6	2.5	4.2	4.2	2.4	4.2	4.2	4.0	2.9	3.6	4.7	4.3	4.8	2.3	4.1	3.6
C6orf226	2.3	2.6	2.3	1.8	3.8	3.0	4.7	1.8	2.8	2.2	3.8	2.9	3.6	2.4	3.5	2.5	3.8	1.3	1.6	2.2	2.7	1.4	1.6	2.0	3.4	2.0	4.4	2.2	3.6	3.8	2.0	3.1	2.4	2.9	2.1	1.9	1.8	1.1	2.7	2.8
C6orf27	3.3	2.5	3.1	1.1	3.1	1.7	2.2	2.7	4.6	5.2	3.1	2.8	4.6	4.7	2.8	5.0	4.2	3.8	5.6	2.3	3.6	4.6	4.4	3.3	2.0	3.0	2.6	6.1	2.4	2.4	4.2	4.6	1.9	3.8	3.9	3.5	4.6	3.7	4.1	3.7
C6orf35	3.1	3.7	3.6	4.0	3.0	3.1	2.8	3.4	3.8	3.5	4.3	3.9	4.1	4.9	4.7	3.6	2.7	3.4	3.2	4.1	3.7	4.0	4.0	3.7	2.6	2.9	3.9	3.3	3.2	4.0	3.5	4.0	2.5	3.0	2.2	3.5	3.4	3.0	3.4	3.4
C6orf47	4.6	6.0	5.0	5.9	5.2	5.3	5.0	5.0	6.0	5.0	5.3	6.0	5.1	5.8	6.9	5.5	5.2	5.0	4.8	6.3	5.7	5.5	4.8	5.3	4.8	4.7	6.1	6.1	4.7	5.2	4.6	5.8	5.6	5.9	5.7	5.2	6.2	5.8	6.2	5.5
C6orf48	9.1	11.4	9.7	12.6	15.5	10.3	10.4	7.0	11.7	10.1	13.9	14.7	18.5	15.9	38.1	9.7	13.1	12.7	12.2	25.2	17.5	10.3	11.9	9.8	17.7	21.2	9.6	14.9	16.4	17.5	11.9	14.2	39.1	17.8	12.9	16.4	18.5	12.0	17.6	10.1
C6orf57	6.3	6.8	4.6	6.0	5.5	4.6	5.3	4.1	6.4	5.2	8.5	7.7	6.5	4.5	5.5	6.2	4.8	6.9	3.5	8.2	6.7	6.1	7.5	7.9	3.6	5.4	5.8	5.6	3.5	6.5	6.3	4.3	3.9	6.9	6.0	3.9	5.6	3.7	5.1	6.8
C6orf62	13.8	11.7	11.2	9.2	18.0	12.7	10.4	10.5	16.9	14.7	12.8	18.1	23.1	18.2	18.4	13.6	15.2	16.4	12.8	17.7	20.8	14.0	14.6	15.6	13.7	13.5	13.1	13.9	14.6	12.2	12.7	13.3	23.5	22.1	14.5	15.8	19.6	15.9	15.8	11.8
C6orf64	2.7	1.9	2.1	2.6	2.3	1.7	1.9	1.3	2.0	2.3	1.5	1.9	2.9	2.2	2.8	2.0	1.6	1.9	2.4	1.2	2.2	2.4	2.4	2.2	1.8	1.8	2.3	1.7	1.9	2.5	3.1	2.9	2.9	1.7	2.4	2.2	3.2	2.6	1.8	2.6
C6orf70	1.9	2.2	2.0	1.9	3.2	2.6	2.1	2.0	3.6	2.6	3.2	3.5	3.5	2.9	4.3	1.9	2.0	3.2	2.5	3.0	3.5	2.7	2.2	2.1	2.7	3.0	3.7	2.8	2.6	2.8	2.7	2.5	4.5	3.2	3.2	2.9	3.2	1.7	3.0	1.9
C6orf72	20.1	21.8	21.4	21.4	22.9	20.8	17.5	21.3	26.1	20.5	21.8	23.5	23.7	24.3	28.8	23.0	25.0	26.8	20.3	25.4	24.9	23.8	22.7	21.3	16.7	20.4	22.0	23.8	14.1	19.5	17.7	20.9	23.4	28.0	18.4	18.9	23.5	17.0	20.8	21.6
C6orf89	18.1	14.5	16.4	14.1	19.2	15.3	14.6	14.8	17.2	15.1	18.0	15.2	14.8	15.9	14.6	16.6	13.8	14.3	15.3	16.6	17.0	16.8	16.1	14.7	11.9	12.3	18.7	16.1	8.9	12.2	12.0	12.7	14.0	14.6	17.1	15.9	17.2	11.6	16.8	18.8
C7	43.5	42.1	44.9	38.5	88.1	47.5	51.8	99.4	48.6	28.2	46.7	18.7	99.4	66.6	182.6	29.2	46.6	56.1	38.1	117.5	88.5	49.0	49.7	33.0	36.4	79.0	56.8	32.9	51.4	34.0	23.1	30.4	254.4	67.7	33.5	35.9	57.0	47.4	69.3	44.2
C7orf11	2.8	4.1	2.7	4.3	4.3	3.6	3.2	3.8	3.7	4.3	5.4	4.4	4.8	4.6	5.9	4.3	4.7	5.2	3.9	6.4	4.9	3.7	3.7	3.8	4.2	4.1	3.4	3.5	3.4	4.6	4.4	5.7	7.9	5.2	4.8	4.2	4.0	3.1	4.0	3.7
C7orf23	2.1	1.8	1.3	2.4	2.9	3.0	1.8	2.2	3.0	2.4	2.6	2.3	3.0	2.7	5.4	2.9	1.8	1.7	2.1	4.4	4.2	2.5	1.8	1.1	1.8	3.3	1.9	2.2	3.3	2.9	1.8	2.5	7.9	4.3	2.9	2.1	2.5	3.5	2.7	2.8
C7orf25	4.0	4.2	3.9	5.2	3.4	4.6	3.6	5.0	5.4	4.5	4.0	3.9	5.3	5.4	4.6	4.8	2.7	4.4	3.9	4.3	3.8	5.0	4.0	3.8	3.5	3.9	4.0	3.1	3.3	3.4	3.3	4.2	3.0	3.6	3.9	3.0	3.2	2.7	3.2	4.1
C7orf26	3.5	4.1	2.8	4.3	5.1	3.9	2.8	3.9	4.4	4.1	3.7	4.1	5.4	4.6	6.7	3.9	3.4	3.6	3.7	5.1	4.6	4.1	3.3	3.2	3.9	3.7	4.6	5.1	3.5	5.3	4.0	4.0	8.8	4.8	5.0	5.0	5.5	4.6	5.0	4.5
C7orf28B	6.9	5.9	6.1	7.1	9.3	8.8	4.8	6.9	8.2	7.6	6.7	9.2	11.3	11.1	8.9	6.2	10.5	8.1	5.4	4.3	8.8	7.8	5.2	8.4	6.2	7.6	9.9	9.4	10.9	8.7	4.7	6.3	10.6	8.9	6.9	4.9	7.7	8.5	5.7	9.5
C7orf30	19.7	20.7	23.2	25.5	16.4	20.3	21.4	21.6	20.3	16.0	22.8	18.9	22.0	18.6	17.5	18.1	16.2	22.1	19.9	14.5	20.0	20.4	17.7	17.6	17.1	15.3	22.6	17.2	14.1	21.4	17.7	21.2	12.5	18.6	22.9	19.7	16.9	15.7	16.2	20.2
C7orf36	4.9	4.8	4.1	5.9	4.7	4.4	4.2	5.2	3.9	4.8	4.5	5.0	4.8	5.9	6.2	4.1	4.5	5.0	3.6	5.0	4.6	4.6	5.5	5.6	3.8	3.8	6.6	6.4	4.5	4.3	5.2	5.1	4.1	3.9	4.4	4.7	6.4	2.9	6.0	6.2
C7orf41	3.5	5.2	3.5	4.5	4.4	4.8	3.6	4.1	8.9	7.7	6.5	7.3	11.3	14.1	9.8	7.3	14.4	8.9	6.3	10.0	9.0	6.4	13.2	8.5	8.6	7.4	7.3	5.7	7.6	6.0	5.8	6.3	10.6	10.1	7.7	7.0	8.0	8.6	13.5	7.6
C7orf42	6.3	9.1	7.0	8.2	9.8	7.6	6.9	9.0	10.6	9.0	8.4	8.8	11.3	12.9	14.6	8.7	9.3	9.1	9.0	12.8	9.6	9.1	9.8	8.8	7.5	10.4	9.9	8.5	8.7	8.2	7.1	9.1	14.5	11.3	7.8	7.9	9.7	9.4	9.5	9.9
C7orf43	1.2	1.5	2.1	1.8	3.4	1.4	1.6	1.7	3.4	2.0	2.0	2.9	2.8	2.2	3.1	2.2	2.3	1.8	2.3	2.9	3.2	1.7	2.1	2.1	2.2	1.2	1.6	2.6	2.4	2.2	2.6	2.9	4.1	2.3	1.1	2.8	2.6	2.4	2.7	1.9
C7orf44	14.9	20.0	21.8	22.5	19.5	19.1	16.5	17.5	22.0	17.9	18.7	21.2	16.3	21.7	16.8	20.7	15.3	20.5	18.3	18.2	17.9	20.4	19.5	22.1	17.1	13.9	22.6	22.1	17.2	24.7	20.8	22.1	15.0	21.3	21.3	17.1	20.5	17.5	17.0	20.4
C7orf47	2.4	2.5	2.1	2.9	2.9	1.6	2.6	1.8	2.5	1.9	2.5	3.4	2.0	2.3	3.3	2.3	3.5	2.0	2.6	2.9	2.3	1.7	2.3	2.3	3.4	2.5	2.3	3.1	2.3	3.2	4.1	3.3	4.6	2.8	2.0	2.7	2.7	2.0	2.5	2.7
C7orf49	5.4	5.5	5.3	5.4	8.2	5.7	6.8	7.5	6.9	3.8	5.7	5.0	6.0	7.9	5.1	5.5	4.3	5.2	5.3	7.5	4.8	5.4	5.1	5.8	4.2	4.9	4.9	6.1	4.4	3.5	4.5	5.3	6.6	6.0	5.2	6.7	7.0	5.5	9.5	4.8
C7orf50	15.0	14.2	15.3	12.0	16.6	15.4	13.0	12.0	18.6	16.2	25.7	25.2	16.9	15.8	18.2	15.2	18.8	19.2	18.7	20.0	20.9	15.5	17.9	16.4	15.8	14.6	20.2	19.3	13.4	20.8	16.2	16.2	12.2	19.0	17.3	14.7	16.9	15.8	13.8	13.7
C7orf55	21.0	20.3	18.9	14.6	18.7	16.7	17.8	18.1	9.6	16.5	18.7	23.0	15.3	14.7	14.8	16.2	15.5	15.6	18.6	18.5	12.0	13.6	12.2	15.9	11.4	11.1	16.7	22.3	12.7	21.7	23.1	16.6	14.0	16.4	21.1	15.7	14.6	10.3	16.7	15.9
C7orf58	3.3	4.1	5.0	2.5	4.7	3.5	2.9	5.5	6.3	5.5	5.8	3.7	4.0	6.6	7.8	4.3	11.2	7.3	5.1	11.2	4.9	5.9	6.3	5.9	3.9	5.7	7.0	5.9	3.1	2.3	3.6	5.8	7.9	7.6	5.5	7.2	6.5	7.1	6.0	6.9
C7orf59	20.6	24.3	26.2	22.2	33.2	25.5	23.3	23.8	25.9	23.6	33.3	30.1	24.0	32.3	31.3	22.2	21.4	24.4	26.9	28.1	31.1	20.1	22.8	27.5	27.0	24.9	22.2	27.9	25.8	31.2	25.7	26.5	27.2	30.0	31.7	24.1	22.5	20.7	25.2	24.0
C7orf60	2.9	2.8	2.6	2.4	2.7	2.4	2.6	2.9	3.5	3.7	4.0	3.8	4.2	8.2	3.0	2.9	4.8	5.0	3.6	3.4	3.7	3.1	3.7	3.4	2.3	3.9	2.6	2.9	2.2	2.6	2.8	3.1	4.2	4.5	2.8	2.9	4.8	4.0	2.8	2.2
C7orf64	4.5	3.4	2.7	3.7	5.5	2.4	2.9	4.3	3.8	2.7	3.8	3.6	4.1	3.8	4.0	3.4	3.0	3.5	4.1	3.7	3.6	3.7	3.4	3.6	3.3	2.8	3.7	3.7	2.1	2.7	3.3	3.8	4.2	4.1	4.1	4.2	4.4	2.9	4.7	4.4
C7orf68	0.6	1.3	1.4	2.7	1.2	1.4	0.6	1.6	1.6	1.2	1.8	1.4	1.3	2.3	1.8	1.0	1.7	1.3	0.9	1.1	2.6	0.9	0.8	1.4	1.3	5.1	1.1	2.2	1.7	1.2	1.5	2.6	3.1	1.6	2.1	1.8	2.1	1.5	1.9	1.5
C7orf70	5.8	6.9	7.0	7.7	7.6	6.4	6.2	6.1	5.6	5.2	5.0	5.4	5.7	5.7	4.8	5.0	4.4	6.5	4.5	5.8	4.6	6.2	5.2	4.2	4.0	4.2	8.5	7.0	3.7	5.8	4.6	5.5	4.9	4.3	4.7	5.0	5.9	4.6	7.0	7.3
C8orf33	3.2	4.3	4.0	4.4	4.1	4.3	3.3	3.3	5.6	4.7	5.3	4.6	4.8	3.9	5.0	5.0	4.9	4.5	4.1	5.4	5.1	3.7	4.8	5.2	2.5	3.9	5.3	4.6	2.8	1.7	3.8	5.2	5.2	5.1	4.0	4.1	4.1	3.8	4.2	4.9
C8orf38	5.6	5.5	7.0	6.8	7.4	4.9	5.5	4.3	5.2	3.9	5.9	5.7	5.6	5.5	3.9	5.6	3.8	5.6	3.9	4.9	4.3	4.2	3.9	5.1	4.0	3.9	4.4	6.4	3.1	4.3	4.5	4.1	2.3	4.8	4.1	3.4	4.7	2.7	3.7	5.7
C8orf4	29.1	10.9	9.3	13.6	9.8	12.3	9.1	9.9	13.9	15.8	9.4	16.7	17.6	6.6	12.8	29.1	8.9	11.4	19.5	28.4	9.6	16.1	15.1	18.0	17.5	28.8	17.5	18.7	7.5	27.0	18.4	21.3	45.0	25.4	15.3	15.3	27.9	16.3	23.1	32.1
C8orf40	16.8	15.2	13.4	12.7	18.8	20.2	10.0	11.4	13.7	16.5	11.3	22.0	15.8	16.4	17.7	9.5	13.3	12.6	10.2	18.5	15.5	11.2	15.6	11.9	9.8	15.8	15.8	15.5	12.0	12.1	14.5	9.8	17.3	12.9	23.2	14.9	19.9	10.3	14.6	11.8
C8orf41	1.4	2.0	1.3	1.9	1.6	2.4	1.6	1.9	2.6	2.6	1.9	2.3	2.9	2.5	2.4	2.2	2.4	2.9	2.3	2.4	2.3	2.6	2.5	2.2	1.8	1.4	2.4	2.4	1.8	3.1	1.8	2.4	2.9	2.4	2.0	2.0	3.2	2.1	2.2	2.4
C8orf47	1.7	2.3	1.4	1.8	1.5	0.7	1.1	1.2	0.9	1.7	2.2	1.9	2.6	2.6	0.7	1.9	2.3	1.5	2.3	0.7	2.8	2.4	5.9	1.8	0.8	1.3	4.4	2.1	0.3	1.4	2.7	1.8	2.4	1.0	3.1	3.3	3.8	2.2	5.5	3.1
C8orf55	4.0	5.7	4.4	3.9	4.7	3.4	3.8	5.1	4.1	4.2	5.6	3.3	3.1	3.4	3.5	4.0	3.6	3.6	3.7	4.0	3.4	3.8	3.4	3.3	2.5	2.9	3.6	4.3	2.8	3.6	3.8	2.9	2.5	2.2	4.3	2.8	2.6	1.8	3.0	3.9
C8orf59	13.3	13.0	10.1	14.3	10.1	9.4	12.5	13.4	12.0	10.1	11.1	13.1	12.6	11.8	12.0	11.6	9.7	12.5	11.1	10.9	12.0	11.1	14.5	11.0	8.9	12.4	16.1	12.0	7.9	12.7	14.0	12.4	12.4	11.1	14.8	10.9	10.8	6.2	12.6	12.6
C8orf76	3.9	3.4	2.4	3.2	3.8	3.3	2.7	2.5	3.9	4.4	4.1	4.2	6.0	4.7	4.6	5.4	3.4	4.9	3.8	4.3	3.7	4.7	3.8	4.0	4.4	3.7	2.9	3.7	2.9	4.5	2.6	3.5	4.2	4.7	4.6	3.9	4.0	3.1	3.9	3.3
C8orf82	8.3	7.7	9.1	9.5	8.1	8.0	5.4	5.4	7.0	7.3	7.1	7.3	6.6	10.3	6.5	6.3	6.9	8.5	6.1	6.9	6.6	6.1	4.3	5.6	6.4	5.9	7.1	7.5	7.1	9.3	5.9	6.0	6.6	9.1	5.6	6.1	6.7	6.5	5.3	4.8
C8orf83	3.1	3.0	1.8	2.5	2.9	3.6	2.8	5.6	4.2	3.1	2.8	4.2	4.8	3.2	3.0	3.1	2.7	3.5	3.7	3.7	3.2	2.9	3.8	3.8	2.6	4.5	2.3	2.7	3.0	3.1	2.4	2.9	3.4	4.3	3.0	2.3	3.0	2.4	5.4	3.4
C9orf114	2.9	3.7	2.8	3.7	3.3	2.9	2.7	2.5	3.4	3.5	3.3	3.4	3.1	4.9	4.7	2.8	2.2	3.2	3.1	3.3	3.7	2.6	2.6	2.1	2.8	3.6	3.1	4.0	2.6	3.9	2.9	3.1	4.5	4.8	2.6	3.9	4.4	2.9	4.1	2.5
C9orf119	5.2	3.7	3.7	4.5	4.3	4.8	3.5	4.5	6.4	4.6	5.9	4.9	6.7	8.6	7.2	7.2	6.1	7.1	4.1	5.3	7.0	5.8	5.7	4.9	5.2	5.6	4.5	4.9	4.8	5.2	5.6	5.7	6.1	4.7	5.2	3.1	6.0	4.2	5.1	3.9
C9orf123	10.2	12.0	11.4	8.6	12.0	8.5	11.1	11.1	13.9	11.3	16.2	16.0	9.8	11.7	10.4	9.9	9.2	12.3	10.0	12.6	9.8	10.8	11.4	12.0	12.4	9.0	13.9	14.5	7.8	13.6	12.1	13.4	7.4	12.4	14.3	14.0	10.8	9.7	10.9	10.6
C9orf125	9.4	11.9	10.4	9.2	11.6	10.3	9.9	13.1	14.1	13.0	13.1	13.9	10.4	17.1	10.3	15.7	11.7	13.6	11.2	13.7	12.4	15.0	14.7	15.2	8.5	8.5	12.2	11.3	8.1	7.0	10.5	11.2	5.4	10.6	8.7	11.2	13.9	11.4	10.0	11.6
C9orf129	2.6	2.6	1.9	2.3	2.2	2.6	2.5	3.2	3.0	2.7	3.3	1.6	2.5	1.9	2.2	2.5	2.2	2.2	2.2	2.2	1.0	1.5	2.0	2.9	2.1	1.8	1.2	2.6	1.3	2.2	1.9	2.3	1.2	1.8	3.9	1.0	1.6	0.5	1.3	2.5
C9orf142	3.1	3.3	3.7	3.4	5.2	3.9	4.9	2.9	4.5	3.5	3.2	5.6	5.2	6.8	7.1	4.3	4.3	4.1	5.7	3.6	6.4	4.1	4.3	3.9	4.3	4.8	3.2	4.7	5.5	7.7	6.6	5.3	6.4	4.7	5.0	1.9	4.9	2.9	3.7	3.0
C9orf156	1.4	1.8	2.7	2.1	2.4	1.9	2.1	2.0	2.2	2.0	3.1	1.7	1.7	1.7	1.6	2.5	1.9	2.1	1.6	3.5	2.0	1.5	2.2	2.1	1.4	0.7	3.1	2.3	1.2	2.1	1.5	2.3	3.7	2.2	2.5	2.8	2.6	1.5	2.2	2.8
C9orf16	10.3	9.3	9.1	8.9	21.1	12.4	11.3	13.9	16.4	12.1	13.3	18.0	13.8	20.7	17.9	15.0	16.5	16.1	13.4	12.2	13.4	10.4	8.9	12.5	12.4	9.8	15.2	16.5	16.0	18.9	15.1	16.8	16.3	21.3	13.4	13.1	13.8	14.7	10.4	7.1
C9orf167	4.0	3.5	2.4	3.3	4.1	3.6	2.9	2.8	4.5	2.9	4.0	3.9	2.6	4.4	3.0	3.6	2.2	3.2	3.4	4.1	3.4	3.6	3.2	3.2	2.1	2.3	3.6	4.0	1.4	2.2	2.5	2.8	1.7	3.1	2.5	2.0	2.4	2.8	2.9	2.7
C9orf21	5.7	4.0	5.3	4.9	4.5	4.5	3.5	5.5	5.0	7.2	5.5	4.2	3.6	5.2	4.1	4.5	3.7	4.4	5.7	5.6	4.6	5.1	3.6	4.7	3.7	3.3	5.1	3.6	2.6	4.0	2.6	4.0	5.3	5.5	6.0	3.4	3.8	2.9	3.2	6.8
C9orf23	10.6	11.5	11.1	9.4	11.0	10.6	9.9	11.9	14.2	13.5	14.9	14.1	15.2	13.6	9.6	12.6	10.0	12.2	13.3	11.7	11.5	8.7	10.8	12.7	10.2	10.8	12.5	12.8	10.5	15.1	12.9	15.1	9.9	13.8	10.4	10.7	13.3	7.2	11.8	11.2
C9orf24	5.5	2.9	3.8	0.8	5.9	4.4	2.5	2.7	4.2	5.0	4.7	4.8	4.5	2.0	3.8	3.7	3.1	3.6	4.6	3.6	3.9	3.0	5.0	3.8	3.4	2.6	5.1	4.2	4.0	4.2	3.4	4.4	1.0	3.3	5.9	2.7	3.1	2.1	3.1	4.7
C9orf25	7.9	6.8	7.5	7.1	6.9	6.1	6.4	5.0	9.6	8.0	7.9	8.4	7.8	9.8	11.6	7.4	8.0	8.5	9.2	7.8	7.8	7.6	8.0	6.3	5.9	8.5	8.2	8.9	6.6	6.0	9.3	11.5	9.5	8.5	7.3	7.5	8.8	9.8	7.6	6.5
C9orf3	8.0	11.7	11.6	9.5	15.5	8.3	8.4	9.6	9.8	10.7	10.4	10.6	14.8	12.8	10.8	11.2	12.2	10.3	11.8	11.3	8.7	11.7	9.0	9.6	6.7	11.0	12.6	11.8	10.7	10.8	14.3	14.6	10.5	11.7	14.3	13.2	11.1	13.4	11.3	11.1
C9orf30	4.0	3.9	3.7	4.7	5.0	4.5	4.5	5.1	5.3	3.3	4.5	2.9	6.0	6.7	5.1	4.3	5.7	2.5	3.8	3.5	3.9	4.7	4.4	3.2	3.2	4.4	5.9	5.5	3.8	3.3	4.7	4.7	3.3	3.4	4.3	4.8	4.5	7.5	4.1	4.9
C9orf37	2.3	2.9	2.0	2.6	2.9	2.1	2.5	2.5	3.0	1.7	2.9	3.4	2.1	1.9	3.2	1.7	2.8	3.1	2.6	3.3	2.1	2.1	2.6	2.7	2.1	2.1	2.8	2.0	2.4	2.3	2.6	2.3	2.5	2.7	3.1	2.3	2.2	2.7	3.0	3.0
C9orf46	12.0	12.4	10.5	13.1	11.4	8.1	11.2	9.3	11.7	11.4	10.9	12.4	10.9	14.3	10.2	8.7	8.2	13.9	10.6	12.3	11.3	8.2	9.3	8.6	8.3	8.1	9.5	9.3	7.0	12.4	11.5	9.9	7.1	9.5	10.8	10.0	10.8	4.9	7.5	11.5
C9orf5	11.6	9.4	11.2	10.1	14.0	10.3	10.9	10.6	11.0	5.7	9.7	6.8	4.8	9.0	4.4	8.4	7.9	8.7	7.3	10.7	6.3	8.5	8.6	8.3	8.5	5.4	8.9	6.2	3.5	4.8	6.6	8.0	8.2	9.3	11.5	10.8	9.1	6.5	9.8	11.8
C9orf6	2.7	3.7	3.5	4.9	3.2	3.4	3.1	3.8	4.1	3.2	4.5	4.2	3.5	3.9	3.6	4.3	2.9	3.6	3.9	3.2	3.6	3.0	4.5	3.8	2.9	3.9	4.5	4.6	3.0	4.0	3.2	3.6	3.1	4.4	3.2	3.2	3.1	3.1	4.1	3.7
C9orf69	3.4	3.3	3.3	3.8	3.9	3.6	3.3	3.8	3.7	3.1	4.2	3.5	3.8	5.3	4.2	3.5	3.2	2.8	3.6	4.0	4.3	2.8	3.1	3.4	2.7	2.4	3.4	3.9	2.3	3.3	3.2	3.6	3.6	3.8	3.5	2.9	5.2	2.8	3.1	3.2
C9orf7	2.2	2.6	2.0	2.8	1.9	2.4	1.9	2.4	2.7	1.9	3.0	2.4	1.8	3.6	2.9	2.4	2.5	2.2	2.2	3.6	1.9	1.9	2.0	1.8	1.9	1.3	2.2	3.0	2.1	1.9	2.3	2.7	2.1	2.9	1.6	2.5	1.7	2.2	2.2	1.5
C9orf72	4.0	3.1	2.5	3.1	3.5	3.3	3.1	2.4	3.4	4.0	4.8	3.3	3.6	3.4	2.1	3.7	3.5	3.1	3.4	2.8	4.3	3.6	3.7	2.7	2.7	4.0	3.1	3.3	1.5	2.5	2.3	3.0	6.2	2.9	5.6	2.5	4.2	2.4	4.6	3.3
C9orf78	10.2	12.1	11.0	13.8	11.3	11.5	10.9	10.2	13.8	11.4	12.2	12.9	14.8	13.8	15.1	12.5	15.6	14.6	10.7	13.1	15.2	11.1	12.5	12.5	12.1	12.0	14.8	12.2	8.9	13.8	10.0	13.5	18.1	15.0	9.0	12.7	11.5	11.2	14.6	13.4
C9orf86	16.6	17.0	17.9	16.5	17.6	17.1	16.3	20.8	17.4	17.5	17.3	14.9	18.1	22.2	16.7	17.9	17.6	17.1	18.8	13.9	15.9	15.2	15.1	15.4	13.2	12.8	21.4	19.5	13.6	18.8	17.0	17.6	16.9	18.5	15.9	15.6	21.7	18.3	18.8	16.6
C9orf89	3.5	2.9	2.8	3.4	3.8	3.2	3.9	3.6	3.6	4.1	4.1	3.5	5.0	2.6	5.3	3.6	4.5	3.5	3.4	4.9	3.2	2.6	2.3	2.9	3.8	4.1	3.7	5.9	3.8	2.7	5.4	4.4	5.1	4.3	3.6	3.9	3.2	3.4	3.7	3.0
C9orf9	1.4	0.8	1.0	1.3	3.6	2.8	1.3	1.9	2.6	2.0	2.8	2.3	2.8	2.2	4.6	1.6	2.0	3.7	3.0	3.4	3.6	2.2	2.0	3.7	2.5	2.4	3.0	4.1	1.5	2.2	1.4	2.0	1.7	2.6	1.3	1.2	2.8	0.4	1.2	1.9
C9orf95	3.6	2.7	3.0	3.7	4.7	3.5	2.5	3.6	4.4	4.4	4.8	2.0	8.2	3.4	3.7	3.6	5.7	4.3	4.1	4.7	3.8	3.6	3.2	2.8	2.9	3.3	3.2	3.2	4.1	4.2	1.4	4.0	7.6	5.0	5.0	2.3	2.2	2.0	3.3	2.7
CA14	7.2	4.0	4.4	2.1	2.3	2.0	4.9	2.0	0.3	0.3	2.4	0.3	1.1	0.4	0.1	0.5	0.5	0.1	0.6	0.3	0.2	0.7	0.5	0.3	0.1	0.6	2.4	0.9	0.1	1.4	1.7	0.6	0.4	0.2	2.5	0.4	0.6	0.2	0.7	1.9
CA2	3.8	5.8	3.7	5.0	4.1	3.1	2.6	3.5	3.2	4.5	3.1	3.6	3.8	4.2	3.3	7.7	4.4	3.4	4.4	2.8	5.0	2.9	4.6	2.6	1.7	9.0	4.0	4.7	1.9	4.8	3.1	4.9	4.3	4.3	3.1	3.8	6.7	4.0	4.5	2.5
CA3	1.1	2.4	0.5	0.3	9.0	1.0	0.3	0.8	8.2	1.9	9.3	1.8	14.9	10.6	22.1	4.2	42.3	2.4	3.0	1.5	83.1	7.8	18.7	0.7	1.6	1.5	4.3	2.3	14.8	4.2	3.8	4.2	28.8	28.5	5.7	1.8	27.1	31.2	6.7	1.0
CA4	7.9	10.7	4.1	5.6	5.2	12.9	12.4	7.4	3.5	3.7	7.7	8.4	6.0	1.7	5.0	4.8	2.6	11.9	6.5	7.6	6.0	9.8	9.0	8.1	7.9	10.2	10.2	18.6	3.8	19.4	18.0	5.8	12.0	10.8	18.1	10.5	10.7	7.1	18.1	14.4
CAB39	21.7	19.3	20.8	22.1	20.7	17.2	18.2	19.0	23.6	18.8	20.4	16.5	19.2	20.8	15.0	21.0	19.3	22.9	17.7	18.5	17.7	18.5	18.3	18.4	14.0	15.2	19.2	18.7	11.4	13.0	15.4	21.0	19.4	23.0	16.6	23.7	21.5	22.1	20.0	20.2
CAB39L	6.1	4.8	4.5	4.8	10.5	4.7	6.0	9.9	5.9	4.5	9.8	4.6	6.6	3.1	9.0	6.3	4.5	4.4	4.2	7.8	5.6	6.1	3.8	7.4	6.7	8.9	9.9	6.9	4.4	3.5	4.4	5.1	9.0	7.5	5.8	5.4	4.7	4.7	8.0	8.4
CABIN1	5.0	4.9	4.0	4.8	6.1	5.6	3.9	5.5	7.5	5.1	6.0	5.1	5.8	6.0	8.2	5.5	5.0	5.8	5.3	6.4	5.1	4.3	4.8	5.7	5.6	5.7	5.2	5.6	4.6	4.3	4.6	5.3	6.1	6.4	5.3	4.7	5.5	3.9	4.8	5.1
CABLES2	1.7	2.0	2.3	3.7	2.3	1.5	3.2	3.2	3.2	2.0	2.2	2.5	2.4	1.9	2.6	2.8	1.2	1.5	2.2	2.2	1.5	3.3	3.0	1.8	2.0	1.8	2.8	2.4	3.0	2.7	2.5	3.0	1.6	2.4	2.9	2.2	3.1	2.5	2.8	2.8
CABP1	1.2	3.7	2.9	1.7	1.8	1.7	2.7	4.3	1.8	0.8	2.5	2.4	1.2	1.0	2.1	2.0	2.2	1.5	1.8	1.6	3.5	2.3	1.8	2.4	1.3	1.0	2.3	1.9	0.9	1.4	2.8	2.4	1.6	1.0	1.3	2.3	1.9	2.2	1.5	2.3
CACNA1C	8.8	10.0	9.8	14.8	10.1	6.5	6.9	9.3	9.6	7.9	10.0	8.6	7.6	8.6	7.6	8.0	9.2	8.6	9.1	9.0	8.8	8.5	8.5	9.2	7.5	7.1	12.1	12.3	6.0	8.5	9.7	10.2	8.1	9.4	10.4	11.2	14.3	9.9	11.0	12.0
CACNA1H	1.4	2.2	1.7	1.6	3.0	3.8	3.0	1.6	1.9	1.0	1.0	1.5	1.3	2.4	4.0	2.2	1.7	1.7	1.4	2.2	2.1	1.4	1.1	1.2	2.0	2.5	2.6	1.7	1.7	2.3	2.0	2.7	4.8	2.8	2.1	3.0	2.7	3.1	3.0	2.0
CACNA2D1	5.6	6.0	6.4	2.6	3.0	3.4	2.9	5.6	7.2	4.6	5.7	1.8	1.6	3.9	0.8	2.6	5.5	6.6	5.7	7.8	2.8	3.7	4.6	3.6	2.5	3.5	3.7	3.5	0.8	0.7	3.7	3.1	2.2	6.4	3.6	6.4	6.4	4.9	3.5	7.0
CACNA2D3	8.2	2.3	6.8	7.9	8.4	6.3	5.2	4.8	3.0	2.5	4.2	3.5	5.1	3.8	2.7	5.1	2.9	4.4	3.9	3.9	3.8	4.0	5.2	2.9	3.3	2.0	4.4	2.6	1.6	5.0	4.1	4.4	1.6	2.2	3.0	4.1	3.7	2.5	3.4	3.2
CACNB1	0.6	1.3	0.8	1.4	1.3	0.9	0.6	1.0	1.9	1.5	1.5	1.8	1.5	4.0	3.3	1.7	3.3	1.1	1.6	1.6	1.1	1.0	1.6	0.9	0.7	1.5	1.7	1.3	2.3	1.2	2.1	3.0	2.4	2.0	1.1	2.7	2.0	2.8	1.7	0.8
CACNB2	14.9	6.7	7.8	12.5	8.6	7.7	9.9	7.2	8.6	10.5	10.8	6.5	11.5	7.4	2.7	13.4	7.2	5.2	11.4	7.2	7.6	11.0	7.6	8.5	8.1	6.5	4.8	5.1	3.7	7.5	5.9	3.8	4.2	5.2	15.5	4.2	8.6	4.1	8.8	10.6
CACYBP	10.1	7.1	6.4	7.9	9.7	8.1	8.3	8.3	8.4	6.5	6.7	6.9	10.7	9.0	8.7	6.4	4.6	7.7	8.0	7.3	10.5	7.2	7.4	8.8	5.7	7.1	8.2	7.2	5.5	6.9	6.1	7.6	8.7	8.9	9.3	6.3	9.8	6.7	6.2	8.2
CADM1	5.2	7.8	6.5	8.2	4.1	4.6	4.2	7.5	6.6	7.8	6.4	6.2	6.0	6.1	5.3	5.2	6.8	9.9	8.4	7.8	6.7	8.2	5.2	6.2	6.1	9.7	4.0	7.0	4.2	6.9	6.8	4.9	4.4	9.3	6.3	7.1	7.1	8.0	4.5	5.6
CADM3	1.6	2.4	1.3	1.1	1.9	1.5	1.2	2.0	1.6	0.4	1.3	0.2	0.7	0.1	8.5	0.7	0.6	0.8	1.3	1.1	3.2	1.3	1.0	0.6	0.9	0.9	1.1	0.9	0.7	0.4	0.7	1.0	3.7	0.9	0.9	0.9	0.6	1.3	1.6	1.0
CADM4	1.5	2.3	2.2	3.2	2.4	1.8	2.4	2.0	2.6	1.6	2.2	2.7	2.2	3.0	1.7	2.0	1.8	2.3	2.5	1.5	2.1	2.4	2.2	1.2	1.8	1.5	3.1	3.2	1.2	1.7	1.8	3.1	1.4	2.8	2.3	1.9	2.0	2.6	2.2	1.8
CADPS	2.2	1.8	1.8	1.6	2.6	3.4	2.1	2.0	1.5	1.3	2.2	2.8	2.1	1.8	3.1	1.9	2.1	1.8	1.7	5.7	1.4	2.2	2.0	3.9	2.9	2.0	1.4	1.5	4.4	1.6	1.2	2.0	1.6	5.0	2.3	2.2	2.6	1.6	1.2	2.9
CADPS2	3.7	2.2	3.1	4.3	1.6	2.3	3.1	1.2	1.6	1.0	1.2	0.9	1.9	1.1	1.8	1.8	1.0	1.2	1.4	1.7	1.2	1.0	0.8	1.0	0.7	1.2	2.2	1.1	1.1	1.2	1.2	1.6	3.6	1.7	1.4	1.4	1.5	0.9	1.7	1.7
CALCOCO1	32.7	37.5	29.0	36.2	40.0	36.9	31.1	33.6	39.4	38.0	37.3	41.4	42.9	35.2	44.3	41.2	41.1	36.8	39.7	40.4	39.6	37.1	38.7	43.4	34.2	37.0	53.0	39.0	26.7	35.5	27.7	32.9	51.1	41.8	44.3	36.9	40.0	36.4	52.9	40.9
CALCOCO2	62.7	55.1	58.7	52.3	60.2	58.9	62.3	70.4	41.3	38.2	40.2	36.0	50.0	41.8	40.1	58.6	32.7	47.3	41.1	41.6	40.0	43.6	36.3	45.9	40.8	40.3	58.1	44.3	27.6	51.6	37.7	44.2	62.6	52.1	52.8	48.7	58.3	42.4	61.7	50.2
CALCRL	2.7	2.8	2.6	2.5	4.8	2.5	3.4	5.0	5.0	4.3	3.3	2.1	3.1	4.9	5.9	1.4	3.6	3.4	3.7	5.3	4.4	1.8	2.5	1.7	0.8	5.5	2.2	3.2	2.3	1.4	3.5	4.0	8.3	3.5	2.1	3.0	3.4	2.7	3.0	3.3
CALD1	30.5	40.4	38.0	35.4	50.2	34.1	33.0	41.0	43.8	38.5	37.6	28.0	50.8	73.3	75.9	44.1	59.1	51.2	40.2	73.1	49.3	39.8	42.2	29.1	34.0	55.8	45.9	41.7	39.6	43.5	50.1	66.3	83.4	74.2	49.7	47.9	57.4	48.8	61.1	42.7
CALHM2	2.0	4.1	3.0	2.8	7.6	6.4	2.8	4.6	7.3	3.6	4.2	3.6	6.2	5.2	17.3	3.7	3.2	4.4	4.8	8.1	8.6	5.1	4.1	3.0	4.1	6.2	4.6	4.4	4.7	2.5	3.5	4.4	12.1	6.3	3.3	5.1	5.5	5.6	5.0	3.5
CALM1	90.5	71.9	70.9	78.3	77.6	55.9	80.3	81.0	74.4	68.2	82.6	63.8	84.2	85.6	74.7	87.2	62.7	79.7	65.0	76.8	82.9	84.8	85.5	69.5	55.3	67.1	79.1	71.7	55.0	79.9	82.9	75.3	64.5	97.6	72.4	86.6	92.7	76.3	96.6	83.4
CALM2	187.4	134.7	161.0	166.8	154.4	125.5	137.9	160.5	186.0	150.8	149.3	197.6	203.0	181.2	216.4	173.7	135.0	161.1	149.4	197.3	159.5	171.1	166.2	177.4	131.1	137.4	169.4	150.7	144.3	167.5	166.0	209.7	125.6	158.7	179.1	160.8	144.3	140.7	164.9	179.5
CALM3	93.3	77.5	78.1	93.0	77.4	62.4	96.2	79.1	75.4	78.4	77.9	109.6	101.8	125.2	90.5	70.3	76.8	86.1	91.3	72.7	89.3	82.8	81.9	75.2	63.5	68.8	79.1	103.8	71.5	85.1	70.0	77.6	75.5	87.7	89.5	80.1	92.4	101.3	93.2	74.7
CALR	67.9	75.8	53.8	129.4	66.7	65.3	87.0	86.0	86.9	70.6	59.0	69.3	89.0	88.3	104.6	77.1	69.8	67.3	69.3	89.0	80.3	72.9	98.0	80.1	46.9	92.1	85.0	76.0	62.6	68.4	67.9	92.0	86.2	85.8	65.3	73.4	83.3	78.2	79.9	79.9
CALU	36.4	41.9	40.8	37.4	49.7	32.0	34.6	50.9	45.2	46.1	38.9	34.6	45.4	75.7	39.6	41.0	50.0	49.5	39.9	43.5	39.0	48.5	45.5	38.3	27.5	44.0	39.7	44.5	41.4	35.3	34.2	52.5	34.1	61.2	28.7	45.5	49.1	70.5	44.6	38.5
CAMK1	3.7	4.0	2.9	4.1	3.8	3.5	3.8	4.2	4.3	2.8	4.1	3.1	6.4	6.2	7.6	3.9	4.5	4.5	4.7	3.7	7.5	3.6	3.8	2.7	2.8	4.7	3.8	4.6	3.5	2.9	4.6	3.9	7.8	4.5	5.1	3.7	4.7	3.8	4.3	2.9
CAMK2A	3.2	3.1	2.4	1.8	2.8	2.8	2.5	1.9	2.8	2.5	3.5	2.5	3.0	3.1	1.9	2.9	2.2	2.3	2.5	2.5	2.2	2.4	2.4	3.0	1.6	2.3	2.2	3.2	2.2	2.3	2.6	2.2	1.2	1.7	2.3	1.6	2.7	1.8	1.9	2.2
CAMK2B	17.4	22.1	19.5	16.1	18.5	15.7	16.7	17.9	22.0	22.3	24.3	27.6	22.5	22.3	23.3	22.9	23.8	26.9	24.3	19.7	15.7	20.2	25.6	24.1	20.2	21.4	23.4	28.8	19.0	23.6	29.7	23.8	13.2	28.7	26.2	24.8	28.6	26.6	29.2	21.3
CAMK2D	32.1	41.7	39.2	35.5	37.3	28.6	34.8	41.6	42.1	33.3	43.4	33.9	30.7	38.0	19.2	31.6	31.2	39.2	37.2	32.9	29.3	37.6	43.0	35.9	27.2	29.4	43.3	41.6	18.8	24.6	37.4	38.4	21.9	38.8	37.5	44.7	43.7	39.7	44.3	45.8
CAMK2G	3.9	4.1	2.4	4.0	4.3	5.1	3.9	4.3	5.8	3.2	4.0	4.7	5.2	5.8	8.0	4.0	4.8	5.0	3.6	6.3	3.9	3.9	4.4	4.7	3.6	4.3	3.2	4.6	4.9	3.6	3.6	4.2	4.8	4.1	2.9	4.0	3.0	3.5	4.6	3.8
CAMK2N1	2.6	1.8	0.9	1.7	2.2	2.2	1.6	2.2	3.1	2.2	2.0	1.7	2.1	2.9	4.0	2.3	2.8	1.7	1.9	3.0	2.3	1.9	2.0	1.7	1.6	2.8	1.9	2.8	2.7	1.8	1.9	2.5	2.5	2.4	2.6	2.0	1.6	1.2	1.7	2.4
CAMKK2	4.2	3.7	3.0	3.9	5.5	3.3	2.9	3.9	4.8	4.3	4.4	4.0	5.0	4.7	7.2	3.5	4.5	4.1	3.7	6.6	6.5	4.6	4.2	4.0	3.2	4.9	3.8	4.6	4.2	3.3	3.4	4.0	6.7	5.4	3.1	3.6	4.9	4.2	3.8	4.0
CAMLG	4.0	4.5	3.7	4.4	5.6	4.7	3.5	3.6	5.5	4.7	4.6	4.7	5.5	7.2	8.7	5.2	5.4	4.7	3.6	6.3	5.5	4.0	4.8	4.0	4.0	5.4	5.0	4.1	3.4	6.4	4.1	4.6	9.7	6.1	4.1	4.4	5.5	3.4	5.6	4.2
CAMSAP1	3.4	4.0	3.4	4.1	3.9	3.0	2.6	3.5	4.3	3.6	3.7	3.8	3.5	5.4	3.4	3.7	4.3	3.5	3.1	4.4	3.9	3.4	3.5	3.7	2.3	3.5	2.8	3.7	2.7	1.9	2.4	3.0	3.7	4.4	2.8	2.9	3.9	3.2	3.0	3.6
CAMSAP1L1	3.5	3.4	3.3	2.9	3.5	2.5	2.2	3.4	4.6	3.0	3.5	2.7	3.0	4.2	2.4	2.7	4.3	4.0	3.5	5.4	3.5	2.7	3.0	2.6	2.1	3.2	2.8	2.7	1.7	1.6	2.4	2.9	5.7	5.5	2.6	4.2	4.9	3.0	3.3	3.0
CAMTA1	5.2	6.5	7.2	7.4	4.3	3.5	6.3	6.5	4.3	5.1	6.3	4.8	5.8	4.4	6.7	7.4	4.9	5.0	7.2	6.9	3.7	3.8	6.3	5.5	4.8	7.6	5.5	6.5	4.2	4.5	8.8	7.0	6.6	5.3	7.3	7.2	4.0	3.8	8.8	6.6
CAMTA2	7.6	7.9	7.7	10.1	10.1	7.8	6.7	8.7	10.5	10.3	8.6	10.0	9.5	9.6	10.9	9.8	10.0	8.8	10.1	8.9	10.3	7.5	9.2	9.7	7.7	10.6	9.2	9.8	6.8	7.2	8.0	10.1	12.0	11.2	9.0	8.1	12.3	10.4	10.2	8.5
CAND1	3.5	3.2	2.9	3.2	3.7	3.2	2.8	3.8	5.0	3.7	3.8	2.9	4.8	4.8	3.8	3.8	3.9	4.6	4.0	6.1	3.9	3.3	3.6	3.7	3.0	4.5	3.6	3.7	2.8	3.3	2.6	3.2	7.9	5.8	3.9	4.8	5.1	3.4	4.2	3.9
CAND2	10.6	14.1	12.6	10.3	11.9	15.0	11.1	12.6	16.0	12.6	15.1	12.9	10.6	13.6	13.3	14.8	9.9	13.6	13.5	11.7	11.5	12.3	16.8	15.5	9.3	10.0	12.9	18.2	8.0	10.7	14.2	14.3	4.9	9.9	10.3	10.0	12.6	11.8	9.8	11.8
CANT1	3.9	3.7	3.8	4.9	4.5	3.2	2.9	4.3	4.7	4.5	4.9	5.0	4.4	5.2	4.9	4.6	4.3	4.8	4.3	4.7	4.9	5.2	4.1	3.7	3.3	3.4	4.3	4.5	3.8	3.2	3.5	4.6	4.8	5.0	4.5	4.1	4.7	4.4	4.5	3.5
CANX	51.5	55.6	53.7	67.7	48.3	40.1	52.6	55.0	65.2	53.2	55.1	47.8	59.9	59.1	52.6	48.1	60.4	63.5	45.4	63.2	56.2	59.0	68.6	52.2	40.2	54.3	52.5	49.4	40.7	43.7	40.0	55.9	59.2	68.0	46.8	53.7	58.5	62.3	60.5	64.4
CAP1	13.9	13.1	17.2	16.5	20.9	14.4	13.6	17.0	20.4	13.4	13.4	11.6	19.0	18.8	35.5	16.0	17.9	15.1	15.8	25.5	21.3	13.7	13.4	13.3	11.1	22.3	13.0	13.9	14.1	14.7	11.5	19.7	41.8	23.3	12.5	18.0	18.9	17.9	18.6	14.8
CAP2	31.8	34.9	38.5	21.4	37.9	27.3	32.8	45.9	33.6	37.8	44.5	43.8	36.0	39.4	29.1	50.9	37.7	43.6	37.4	29.7	39.7	45.4	46.0	49.0	19.1	33.6	58.1	50.5	22.3	26.1	43.3	57.4	19.2	37.4	34.7	35.3	46.4	56.0	51.6	47.2
CAPG	0.7	0.7	0.5	0.6	1.4	0.4	1.1	5.8	1.4	0.9	0.4	0.2	1.5	1.5	4.6	3.5	1.0	0.9	1.4	1.8	1.9	1.1	0.5	1.2	0.0	2.5	1.1	0.6	1.4	1.0	0.2	6.1	5.4	0.8	0.5	0.9	1.0	1.5	1.0	0.9
CAPN1	11.9	15.4	12.8	16.7	18.5	16.2	13.4	16.1	15.7	11.6	16.2	15.4	15.8	20.0	22.7	14.7	15.3	12.6	15.4	15.6	15.0	15.3	13.0	14.3	9.8	14.7	13.1	16.1	13.7	14.1	11.7	15.1	16.4	14.7	13.8	11.0	15.2	13.5	13.6	14.0
CAPN10	4.8	4.0	3.8	4.2	6.9	4.5	5.6	4.1	4.0	3.7	5.2	4.0	3.6	3.8	3.9	4.5	2.8	3.2	4.2	3.8	3.8	3.6	3.8	3.5	4.0	3.1	4.1	5.7	3.5	4.7	5.2	4.5	3.4	4.7	5.4	3.3	5.6	3.7	4.7	3.6
CAPN2	24.7	27.1	19.2	23.9	33.5	20.9	21.0	24.4	30.8	23.7	25.2	21.7	24.3	29.4	36.9	24.3	25.8	26.5	24.3	31.6	25.7	26.7	26.8	20.2	13.3	26.2	22.4	25.5	17.8	20.9	28.2	27.2	37.3	27.5	19.2	26.2	22.9	24.3	30.6	28.0
CAPN3	2.7	3.8	2.0	2.3	4.9	4.0	2.1	3.0	3.3	3.6	4.0	3.6	6.2	4.6	8.2	3.1	4.6	4.1	4.4	4.6	5.3	3.2	3.7	3.6	3.2	5.6	5.7	4.8	4.4	6.8	6.4	4.7	7.3	3.8	5.3	3.4	5.4	4.4	5.6	3.0
CAPN7	4.3	4.3	3.9	3.5	4.0	4.1	3.5	3.4	4.6	3.8	4.7	3.2	4.4	6.0	4.5	3.6	3.8	4.8	3.9	6.2	4.3	4.1	3.4	3.6	4.5	5.2	3.8	4.9	2.6	3.2	2.8	3.8	6.8	5.8	4.8	5.1	4.8	4.1	3.7	4.5
CAPNS1	112.8	136.5	125.8	142.3	148.8	115.3	122.8	140.7	142.9	114.3	119.8	137.9	119.2	137.5	152.7	130.0	146.1	105.0	131.3	114.5	131.3	135.8	131.0	118.9	120.1	133.9	143.4	146.0	124.0	155.8	128.7	140.6	111.2	138.3	130.5	131.3	131.2	127.5	124.6	125.4
CAPRIN1	20.2	20.0	17.9	19.9	18.9	18.2	16.1	24.2	24.6	22.8	24.8	19.6	22.8	19.9	18.4	21.6	20.3	28.8	23.3	28.5	21.2	22.3	24.5	22.6	13.7	21.1	23.7	24.4	12.9	13.2	15.3	21.0	22.5	26.8	17.0	22.0	24.4	17.8	20.1	25.5
CAPRIN2	5.7	6.3	4.2	5.8	5.6	4.7	4.7	5.2	5.6	4.9	5.5	4.4	5.1	5.9	5.6	6.5	5.2	5.1	5.3	6.0	5.9	5.4	5.9	5.1	3.7	5.3	5.2	4.4	4.4	4.4	4.5	5.6	5.2	5.1	4.5	4.3	5.7	4.5	4.9	6.0
CAPS	1.1	1.7	0.8	1.2	2.9	2.0	1.3	1.2	1.8	1.4	2.4	2.1	2.1	1.5	3.6	0.7	1.7	1.5	1.5	4.0	1.8	1.3	1.3	1.4	2.5	1.5	1.7	1.2	1.5	1.5	2.1	1.3	3.8	2.0	1.3	1.1	1.2	1.4	2.4	0.8
CAPZA1	6.3	6.8	6.5	8.3	9.8	8.1	8.0	8.6	8.9	7.2	6.5	6.6	11.2	10.3	11.5	9.2	10.1	9.4	6.9	10.9	10.4	7.2	7.3	6.6	7.3	9.8	7.8	7.4	8.4	8.7	8.1	9.6	24.3	12.8	7.3	8.9	11.1	8.4	9.4	7.3
CAPZA2	48.4	48.5	50.6	48.5	55.8	39.8	44.1	54.8	54.8	41.5	47.5	50.8	59.4	58.4	47.9	52.0	42.9	54.7	43.9	49.6	47.3	47.5	54.7	45.4	34.9	43.3	45.9	49.8	33.6	43.0	42.8	56.2	36.1	56.5	47.6	49.9	51.3	47.8	55.7	49.3
CAPZB	49.3	49.1	44.7	56.8	63.7	48.4	50.2	54.9	61.0	44.4	52.5	46.9	53.0	56.3	67.9	51.8	53.0	50.5	50.3	50.0	53.2	45.9	49.6	44.1	39.5	53.0	49.3	53.1	38.9	57.0	49.5	59.5	65.8	53.7	46.9	47.7	50.4	42.1	55.5	48.5
CARD10	2.4	3.1	1.4	1.5	2.8	4.1	3.2	2.8	4.5	1.8	4.3	2.4	3.4	2.4	5.0	2.0	2.3	3.0	3.7	3.7	4.3	3.2	3.1	3.5	1.3	2.6	2.7	2.6	2.0	2.8	3.5	2.6	4.4	2.7	2.5	2.9	3.4	2.0	2.6	3.6
CARD16	1.8	2.0	1.0	1.4	2.0	1.9	2.7	2.1	3.4	2.2	3.0	3.1	7.1	1.6	5.3	2.1	1.8	2.1	3.0	3.8	4.1	2.6	3.5	4.4	2.0	2.7	3.2	2.2	4.1	2.2	2.5	3.0	5.6	1.3	1.3	0.9	2.0	0.9	3.8	2.7
CARD8	4.7	3.6	3.7	3.2	2.9	3.0	3.8	3.8	4.2	2.7	3.0	3.0	2.7	3.0	4.1	3.4	3.1	4.4	2.9	5.6	3.6	2.4	3.5	4.0	3.1	3.2	2.4	4.0	2.6	3.3	4.3	4.1	8.6	4.8	4.2	4.1	3.6	2.8	3.9	4.5
CARHSP1	5.8	4.3	2.8	4.1	2.7	3.2	3.7	3.4	5.3	3.8	3.9	3.2	4.0	3.7	6.6	2.9	3.7	3.7	5.2	5.7	6.1	3.3	3.0	3.9	3.4	4.3	4.7	2.7	2.7	3.3	2.8	2.3	7.4	3.5	3.1	3.5	3.3	2.3	3.6	4.3
CARKD	7.4	8.5	8.9	8.3	8.3	9.0	6.1	7.1	9.6	8.4	10.0	10.1	9.7	9.1	10.1	9.4	7.7	8.7	7.7	9.0	9.7	9.0	7.7	9.3	8.0	7.4	8.9	11.0	6.9	9.9	9.5	8.0	10.4	9.7	7.3	8.5	10.4	7.9	8.3	8.2
CARM1	6.3	6.3	5.5	8.3	6.1	6.1	5.8	6.9	6.9	5.3	5.9	5.7	6.4	7.1	8.0	7.4	5.6	6.0	7.0	5.5	7.1	5.6	5.7	5.7	4.5	5.5	6.4	6.4	4.3	4.6	5.1	6.1	6.6	6.7	5.7	4.6	7.2	5.9	5.6	6.7
CARNS1	1.6	2.3	1.7	1.7	1.7	1.9	3.1	2.7	5.3	1.2	2.6	2.6	2.1	2.4	3.8	2.6	1.8	1.6	1.7	4.5	1.5	2.2	3.0	9.5	7.2	1.7	2.3	1.8	3.2	2.7	2.9	4.4	1.6	3.7	2.4	1.8	2.2	1.6	2.4	10.3
CARS	3.6	4.5	3.9	4.3	4.3	4.4	3.8	3.2	5.2	4.8	3.5	4.1	4.9	5.2	6.7	4.8	4.6	4.2	4.2	5.9	5.4	3.9	4.5	4.2	4.1	4.6	3.4	4.9	5.2	4.9	4.3	5.4	6.7	5.1	3.4	4.8	5.2	4.8	5.2	4.1
CARS2	8.2	12.0	12.6	11.5	9.9	11.9	9.9	12.7	9.9	11.6	10.6	9.6	12.8	13.4	8.9	8.4	9.2	11.6	9.0	9.4	12.4	10.4	9.3	9.2	9.3	10.8	12.7	10.2	9.5	10.6	8.8	8.4	10.0	11.7	9.2	10.1	11.7	8.4	9.8	9.0
CASC3	9.6	11.0	8.6	9.6	12.9	10.8	8.4	10.5	13.5	9.9	9.5	9.7	10.7	12.4	15.9	11.7	11.4	10.4	9.9	13.6	11.2	9.3	10.2	10.0	9.5	11.6	13.3	11.5	8.5	8.4	10.3	10.8	19.1	12.5	10.5	11.6	13.6	10.8	14.4	11.7
CASC4	5.6	6.0	3.9	5.4	8.3	6.6	4.2	7.7	9.6	7.6	8.2	5.3	10.5	9.1	15.4	7.7	9.0	10.1	7.4	14.6	9.1	7.6	7.0	6.7	5.8	13.3	6.1	7.6	8.4	6.1	5.0	8.2	14.3	12.0	7.0	7.7	9.1	7.8	8.7	7.2
CASD1	4.3	5.0	4.8	4.3	5.0	4.4	4.2	4.7	6.3	5.4	6.6	5.6	5.2	5.6	4.7	4.9	5.7	6.7	4.8	6.9	6.3	5.9	6.2	5.5	4.9	6.2	5.5	4.7	3.4	4.9	4.5	5.3	6.6	6.7	5.5	4.8	6.1	4.5	5.5	5.5
CASKIN2	8.2	7.4	6.1	7.3	6.8	5.9	6.4	6.5	8.6	5.9	4.5	5.4	6.7	6.6	9.6	7.0	6.5	6.7	6.5	5.9	7.5	5.6	5.7	6.4	4.3	4.8	6.1	5.9	4.3	6.1	5.6	7.7	14.3	8.6	4.2	5.5	8.4	8.6	8.4	6.1
CASP1	2.2	1.9	1.9	2.3	2.6	2.7	2.0	1.8	3.8	3.0	2.0	2.1	7.3	2.3	5.6	1.9	2.0	3.7	3.7	4.9	4.5	2.2	2.8	3.2	1.2	3.4	1.1	2.1	3.8	2.8	2.9	3.3	6.6	2.4	1.0	1.9	2.1	1.8	2.8	3.6
CASP3	2.9	2.8	2.1	2.9	4.9	2.6	2.1	3.3	5.5	3.4	3.3	3.8	5.5	7.3	5.1	5.2	3.9	4.9	4.9	4.7	4.3	3.1	3.4	2.9	4.0	3.7	5.9	5.7	3.5	5.1	5.6	8.5	10.6	9.5	5.5	10.0	10.5	9.8	7.3	3.2
CASP4	4.8	4.1	4.1	6.6	6.1	5.6	6.1	4.4	7.8	6.4	5.0	3.9	12.4	6.2	14.0	4.8	7.7	5.6	7.1	11.0	8.0	6.2	5.2	4.8	4.3	8.9	3.7	5.3	8.5	6.3	4.6	7.9	23.4	8.4	3.9	4.8	6.4	5.1	8.8	5.7
CASP7	2.8	2.3	1.2	3.1	2.2	2.0	1.9	1.6	2.4	1.2	1.7	1.9	2.0	2.6	2.6	1.9	0.7	1.7	1.8	2.4	3.0	1.8	1.4	3.1	1.3	1.5	1.9	1.5	1.5	2.3	1.1	2.3	2.9	2.2	1.2	1.5	3.2	1.9	2.2	2.7
CASP9	2.2	3.4	2.3	3.0	3.2	4.0	2.2	3.4	4.6	4.3	4.4	3.4	4.4	3.5	3.1	3.7	3.3	3.0	4.5	3.7	2.6	3.6	3.5	3.8	4.3	5.3	3.6	3.4	3.4	3.4	3.9	3.2	3.7	3.3	4.4	2.8	3.1	2.8	5.5	4.4
CASQ1	10.5	15.7	7.7	7.0	9.7	11.2	6.7	16.8	14.1	16.9	16.1	15.6	17.0	20.3	12.4	13.1	12.4	10.8	16.5	8.5	13.3	12.4	21.0	11.4	9.5	14.9	32.4	20.2	12.7	24.1	24.2	20.8	8.2	17.8	23.5	18.6	25.1	26.5	32.6	14.3
CASQ2	275.8	304.3	233.9	218.3	374.6	234.3	244.1	299.8	297.1	335.8	366.4	379.1	255.4	430.8	218.4	342.3	359.1	328.2	325.1	275.6	331.3	317.2	374.9	346.6	168.7	212.7	384.2	270.6	150.0	297.5	272.1	324.2	147.3	316.7	282.3	303.6	315.3	289.1	332.6	307.4
CAST	146.1	108.7	108.0	96.4	103.1	117.0	75.8	95.5	111.8	127.3	117.8	93.7	98.4	97.1	76.4	133.1	102.0	134.6	89.9	94.9	72.3	112.6	112.4	137.0	73.8	91.3	153.4	115.5	55.2	67.4	73.2	124.2	79.4	116.2	106.1	112.6	76.1	91.6	116.3	126.6
CASZ1	7.3	8.5	6.5	7.2	9.5	6.8	6.5	8.4	9.2	9.6	6.6	8.2	6.1	9.1	6.2	8.2	8.1	6.8	7.2	7.1	5.8	7.1	6.4	9.3	4.8	7.4	10.0	9.6	4.8	4.6	8.0	9.1	4.9	7.4	5.7	6.7	9.8	8.4	8.8	8.9

CDC42	38.1	39.4	36.1	43.0	41.2	35.7	30.9	39.2	52.0	43.8	41.9	46.1	50.8	54.7	54.3	43.4	46.8	46.7	43.1	43.8	45.4	39.8	42.7	38.8	32.3	45.9	46.1	48.6	33.2	43.0	38.7	52.4	55.0	49.3	40.1	40.0	47.3	46.8	52.1	47.1
CDC42BPA	5.1	4.2	3.9	4.5	5.3	4.6	4.1	5.1	6.3	3.7	4.7	3.4	3.5	5.7	4.9	4.7	5.0	4.6	5.4	6.8	4.5	4.3	4.8	5.4	3.8	4.1	3.6	4.2	3.5	3.2	4.1	5.0	5.9	5.2	5.0	4.8	4.8	3.9	4.0	6.8
CDC42BPB	15.8	16.2	16.9	16.6	17.3	14.2	13.4	16.6	18.5	17.1	18.1	16.4	17.5	19.1	20.3	18.1	18.2	18.3	16.8	18.0	19.3	16.8	16.8	16.5	10.2	14.6	17.6	17.8	13.2	11.7	13.9	16.4	20.4	22.5	14.7	18.7	20.3	18.8	18.9	18.5
CDC42EP1	6.5	5.2	4.7	6.9	8.2	7.8	4.4	5.8	9.9	8.0	5.9	6.5	10.5	7.2	15.0	8.9	7.4	5.7	10.5	12.0	9.8	6.9	6.6	7.0	7.8	9.7	6.3	6.5	5.5	10.6	4.9	8.9	16.2	15.2	9.3	6.5	8.4	8.9	8.5	7.2
CDC42EP2	2.6	3.1	2.8	3.6	4.3	4.7	2.6	4.4	4.4	2.7	3.7	1.6	2.8	2.9	5.8	3.4	1.5	2.8	2.8	4.8	6.7	3.2	2.0	2.2	2.8	3.0	3.3	2.7	3.5	5.5	1.8	3.3	6.3	7.3	4.7	3.8	3.9	3.6	4.1	4.2
CDC42EP3	14.7	15.8	12.6	12.1	12.8	9.6	9.4	12.1	19.5	15.2	14.4	11.0	14.0	21.0	12.3	11.9	21.4	14.4	15.2	13.3	12.9	16.0	18.6	15.0	7.4	15.9	14.4	17.9	7.5	11.8	14.6	17.5	20.6	12.2	9.7	14.1	15.1	16.4	15.2	24.0
CDC42EP4	6.5	9.6	10.2	16.5	12.9	11.5	13.1	9.9	8.4	9.3	7.0	7.5	5.5	10.3	11.0	14.5	10.4	7.3	7.7	6.4	10.6	7.0	7.0	5.0	12.6	10.7	18.5	11.0	6.0	15.6	11.3	16.3	19.3	17.7	16.4	15.1	17.4	12.7	23.6	6.8
CDC42EP5	1.7	1.5	1.7	1.8	2.7	1.9	1.4	1.4	3.8	2.2	2.5	2.8	2.8	3.3	4.3	2.8	3.4	2.8	3.1	3.2	2.6	1.6	2.2	1.5	4.1	4.8	2.8	2.0	3.0	3.2	2.1	2.9	6.5	5.0	2.0	2.8	1.9	2.2	3.0	1.6
CDC42SE1	6.1	6.8	6.8	6.8	5.5	6.6	5.9	6.1	10.6	10.3	6.6	7.7	7.9	7.8	12.0	11.6	10.4	8.4	10.2	12.4	7.6	5.4	6.5	6.8	8.1	16.3	7.5	9.8	5.7	11.6	8.2	11.3	27.6	19.1	8.8	11.1	11.4	10.6	11.7	6.7
CDC42SE2	3.3	3.0	2.2	2.9	4.0	2.5	2.9	2.9	4.1	2.5	3.0	2.7	3.5	3.7	3.2	3.0	2.5	2.8	3.0	3.9	3.0	2.6	2.7	2.6	2.2	3.0	3.2	3.1	2.1	2.9	3.0	2.9	8.8	3.4	2.5	3.2	3.8	2.7	3.9	3.3
CDC5L	9.2	12.3	12.3	10.8	10.6	8.8	8.3	10.0	12.4	11.9	11.3	11.7	10.5	12.7	10.4	11.0	12.2	12.7	11.9	12.9	11.1	10.9	13.4	10.6	8.0	12.1	16.3	11.2	6.2	9.7	9.3	13.4	13.9	14.5	9.9	14.8	14.8	11.0	14.6	12.5
CDC73	4.6	4.0	3.9	3.8	4.7	3.9	3.3	4.3	5.0	3.6	4.1	3.7	4.3	5.1	3.8	4.4	4.4	4.3	4.5	5.9	4.6	4.3	4.5	4.2	2.9	5.1	5.8	3.9	2.6	3.0	3.6	4.8	5.4	5.3	3.8	5.3	5.4	5.6	5.2	5.2
CDCA2	2.5	1.3	1.0	2.1	1.3	1.1	1.0	1.0	0.9	2.2	2.9	1.1	0.8	1.1	0.4	1.5	0.7	0.5	1.0	0.9	2.0	1.1	2.4	0.8	0.8	2.1	3.2	1.2	0.2	1.5	2.6	1.3	0.9	0.4	0.7	4.5	1.5	1.8	2.0	2.4
CDCA7L	7.1	6.9	3.4	4.6	6.0	5.7	6.1	5.7	8.7	4.0	7.6	6.1	4.6	6.3	2.9	6.6	4.0	4.6	5.2	5.4	5.9	5.3	5.4	8.7	5.9	5.9	6.0	6.4	1.7	6.1	4.3	6.0	2.7	2.4	7.4	2.8	4.3	2.0	4.4	11.8
CDH11	2.1	1.5	1.0	1.4	3.0	3.2	1.0	2.3	4.0	2.0	1.6	1.9	5.4	8.9	9.3	2.7	4.8	2.9	2.5	8.4	2.7	1.9	2.1	2.8	1.4	5.3	1.7	2.7	5.8	1.7	1.5	5.7	6.0	6.2	1.1	3.5	4.0	4.6	2.0	2.5
CDH13	42.2	39.2	20.6	39.0	72.6	35.4	30.7	23.3	37.7	12.2	37.8	23.3	23.9	46.7	43.4	36.8	27.2	46.6	24.7	43.8	33.0	46.9	23.9	27.2	35.9	19.8	53.2	33.6	15.1	34.2	41.2	46.5	26.3	56.5	59.0	36.5	56.7	48.4	33.7	39.3
CDH19	4.1	9.1	10.5	4.8	11.2	3.9	6.4	8.2	6.8	3.6	6.6	2.0	5.0	2.7	5.4	5.2	3.6	4.9	8.7	13.7	8.8	4.8	3.2	2.3	4.2	8.6	8.1	5.5	3.6	2.5	3.3	5.8	9.1	10.1	4.3	11.0	15.4	9.5	8.8	6.2
CDH2	80.1	89.9	73.7	49.2	67.0	63.2	59.7	75.2	76.6	85.8	77.8	97.1	66.2	93.2	52.6	82.2	88.3	92.5	91.9	72.4	80.6	77.0	94.5	95.4	45.9	80.6	86.6	91.0	44.8	48.4	70.5	89.3	43.1	82.0	82.5	91.5	90.6	100.3	89.6	90.6
CDH5	22.7	21.6	17.5	17.2	26.9	22.9	15.8	18.5	22.2	14.5	18.1	18.0	15.9	14.7	24.6	18.1	15.6	22.9	21.8	25.4	22.8	21.1	19.9	20.1	9.3	18.4	14.2	17.0	10.5	17.7	28.4	18.8	22.6	19.7	15.9	15.9	15.7	15.1	19.9	25.6
CDIPT	15.0	17.4	13.4	17.1	17.2	21.1	16.1	16.4	21.4	16.9	21.5	20.9	23.7	21.2	25.7	21.7	17.5	19.2	19.6	23.6	22.7	20.6	16.2	20.5	18.3	16.0	19.7	19.2	16.1	20.7	15.5	18.2	22.6	20.8	17.5	15.7	20.2	15.6	21.0	18.3
CDK10	4.9	5.5	4.0	5.2	7.1	5.4	3.5	4.8	6.5	6.5	5.7	7.4	7.9	7.9	9.2	6.1	6.7	7.9	6.2	7.6	6.5	4.1	5.0	8.5	6.3	6.8	6.2	6.7	8.9	8.6	6.1	6.5	11.1	8.0	6.7	6.4	6.0	6.0	7.4	5.9
CDK11A	2.8	4.0	2.5	4.8	4.9	2.6	4.2	3.5	4.7	5.0	2.7	4.6	4.7	5.5	3.3	3.9	4.9	3.6	3.3	2.6	4.6	3.0	3.3	2.6	3.8	5.5	5.3	3.8	4.1	5.5	2.6	4.6	8.0	5.1	3.3	3.0	5.5	4.0	4.8	2.8
CDK11B	7.7	10.1	8.8	10.2	9.9	9.7	10.7	10.1	12.9	9.4	9.9	9.2	12.5	13.5	12.8	11.6	12.2	10.0	9.6	11.6	9.7	5.5	10.8	9.0	10.8	11.5	12.7	12.3	9.4	12.1	8.2	11.0	14.9	13.1	11.8	11.9	11.4	6.3	14.2	10.4
CDK12	2.3	2.3	2.2	2.7	2.5	2.1	2.1	2.7	3.2	2.4	2.0	2.1	1.8	2.8	2.4	2.4	2.6	2.6	2.8	3.7	2.8	2.5	3.0	2.5	1.8	2.2	2.5	2.6	1.7	1.8	2.2	2.8	4.3	3.3	2.0	3.0	3.4	2.6	2.7	3.1
CDK13	3.3	4.0	3.3	3.5	3.4	3.7	3.0	3.5	4.3	3.1	3.5	3.2	3.5	4.1	3.8	3.2	3.8	3.8	3.8	5.0	3.7	3.7	4.1	3.8	3.6	3.4	4.2	3.7	2.8	2.4	3.9	4.0	7.0	4.4	3.7	4.6	5.3	4.1	4.8	5.1
CDK14	3.1	2.2	2.3	2.5	2.5	1.9	2.2	3.5	3.5	2.5	3.5	2.3	3.2	3.3	3.2	2.7	3.6	3.4	2.9	3.7	3.3	3.1	3.5	2.4	1.4	3.0	3.8	2.1	1.5	2.2	2.2	2.3	4.9	3.2	2.6	3.1	4.0	2.8	3.5	3.6
CDK16	20.0	27.9	29.6	29.3	25.6	24.9	23.3	28.5	28.0	23.9	24.3	21.4	23.6	27.2	20.6	24.1	28.2	22.6	26.8	21.9	20.4	24.6	28.2	23.7	20.0	20.1	28.9	28.3	19.6	26.7	23.0	25.9	20.6	25.7	24.1	24.9	27.4	25.2	27.0	25.2
CDK17	3.9	2.8	3.2	3.3	3.6	3.0	2.0	3.0	4.2	4.2	2.8	2.8	2.9	3.5	2.7	4.1	2.9	3.7	3.4	4.4	3.7	3.1	3.5	2.5	2.5	4.2	2.5	3.4	1.6	2.3	3.2	2.8	6.7	4.4	3.4	3.0	5.0	3.0	3.8	3.4
CDK18	46.8	52.8	48.2	47.9	42.4	44.8	51.4	36.2	38.9	43.2	52.1	36.1	43.2	48.5	31.6	47.4	34.6	38.9	42.9	33.0	40.1	49.0	44.2	40.2	33.4	31.5	44.1	52.1	34.7	39.8	46.6	42.3	17.0	34.5	39.4	37.8	50.1	49.1	31.4	38.5
CDK2	2.1	2.3	2.0	3.1	2.9	3.2	1.7	2.2	2.9	1.9	1.5	2.4	2.8	2.7	3.0	2.0	1.6	2.0	2.7	3.2	2.3	2.3	1.7	1.7	2.1	2.9	2.5	1.3	2.3	3.9	2.1	2.6	7.0	3.2	2.5	1.8	2.9	2.2	3.8	2.3
CDK2AP1	15.8	16.6	15.7	21.5	24.3	17.2	16.3	25.9	25.7	21.3	18.5	18.1	25.6	30.8	26.4	18.6	21.6	21.1	18.8	22.5	22.2	17.4	18.2	16.5	18.0	25.2	17.7	22.1	21.2	19.8	18.5	22.3	21.4	25.2	17.8	17.1	24.6	18.1	20.7	17.3
CDK2AP2	15.1	19.7	17.7	46.8	18.2	18.9	14.3	13.4	18.4	18.4	13.6	19.3	17.7	28.4	17.5	20.7	23.5	15.6	15.8	17.3	21.0	14.9	16.7	17.7	12.3	13.4	15.8	18.4	15.4	15.6	18.3	23.1	15.6	18.2	9.4	19.5	24.1	27.1	19.3	14.3
CDK4	13.0	14.1	15.6	14.1	16.7	12.1	12.2	10.3	17.8	15.5	17.4	18.3	16.1	19.2	20.2	12.2	13.7	16.1	17.0	18.3	18.8	15.3	13.5	16.5	12.3	15.7	16.4	19.0	14.4	14.1	16.3	20.0	22.3	17.2	13.8	14.5	16.0	18.7	14.0	12.0
CDK5	2.2	2.0	2.1	2.2	2.7	4.0	2.4	2.8	3.5	2.2	3.5	2.7	3.6	5.1	4.0	2.8	2.7	2.5	3.3	2.7	3.4	3.8	2.8	2.6	2.6	2.0	2.6	2.7	2.8	2.5	2.6	2.0	2.8	2.6	1.8	1.6	2.9	1.9	1.6	2.4
CDK5RAP1	5.2	5.9	5.4	5.3	6.4	5.8	4.8	5.4	6.2	5.1	6.5	6.5	5.8	5.3	6.7	6.1	5.9	5.4	5.2	6.3	5.7	6.0	6.5	5.9	5.6	5.6	6.6	6.8	4.7	6.9	5.5	5.6	6.2	5.8	6.0	6.0	6.2	5.7	6.0	6.5
CDK5RAP2	9.5	8.3	6.8	10.6	7.2	6.6	7.0	8.5	8.6	7.3	7.0	7.3	8.8	9.4	7.9	7.4	8.2	8.3	7.3	8.1	7.3	7.8	7.0	7.8	5.6	7.7	6.4	8.1	6.4	6.2	5.9	7.2	8.3	7.8	8.0	6.0	9.2	6.2	6.4	8.3
CDK5RAP3	14.1	17.6	14.9	14.4	19.6	18.6	14.4	13.9	20.5	15.3	21.2	17.1	23.5	20.2	27.6	16.2	18.9	20.4	18.3	23.0	17.7	14.5	17.3	18.7	19.4	18.8	20.2	18.0	18.9	23.1	19.0	16.7	37.4	23.0	17.9	17.9	21.7	14.4	21.4	17.7
CDK7	3.9	3.5	3.0	4.6	3.3	4.0	2.9	2.8	4.5	4.0	5.1	5.0	5.0	5.0	5.0	4.0	5.0	4.9	4.3	4.9	4.6	5.2	3.8	4.0	3.8	3.6	5.9	4.5	3.4	4.3	3.3	3.6	4.9	4.3	3.8	4.6	3.5	3.7	3.9	4.9
CDK8	1.8	2.1	3.0	3.7	2.1	1.9	1.8	2.9	3.2	3.6	1.5	2.8	3.1	3.9	2.9	3.5	3.3	3.4	2.6	4.4	3.6	2.6	3.7	3.5	3.2	3.3	2.8	3.3	2.5	2.2	2.2	4.1	3.9	4.3	2.4	3.5	3.8	3.5	2.8	2.1
CDK9	9.6	10.5	8.5	9.6	13.5	12.4	8.4	9.3	12.5	7.9	11.1	10.8	11.3	13.4	19.2	10.6	9.7	8.7	9.3	14.0	12.0	9.3	9.1	8.6	11.0	11.6	13.3	10.4	10.0	12.2	13.3	11.7	19.0	13.1	10.4	11.4	11.9	10.5	14.2	10.3
CDKN1A	11.8	17.7	23.8	22.2	27.1	18.5	17.6	15.1	18.8	29.4	11.4	14.2	17.5	36.1	47.3	32.5	43.5	16.2	16.8	19.8	17.5	10.9	16.4	9.3	43.3	39.3	65.6	32.7	13.4	110.6	29.0	41.2	193.4	72.2	27.9	76.9	60.2	87.3	83.6	15.2
CDKN1B	11.2	11.7	8.1	10.9	14.1	14.0	10.3	11.1	14.1	12.3	14.0	15.4	16.1	15.1	17.7	16.0	12.2	14.1	13.7	19.4	14.2	14.8	14.1	13.8	11.9	19.3	18.4	13.0	10.7	10.6	10.3	10.8	27.0	15.8	14.5	12.1	13.6	11.4	19.2	15.8
CDKN1C	12.6	8.4	5.9	7.8	8.2	6.1	6.8	6.7	5.6	3.6	5.8	6.7	5.6	3.7	8.4	12.3	4.9	7.2	9.3	7.9	9.2	11.3	5.7	8.4	4.2	8.1	9.7	7.5	3.3	7.4	8.1	7.2	13.7	8.2	6.8	8.2	8.1	7.1	6.9	9.1
CDKN2AIP	2.2	3.5	2.3	2.4	4.1	3.6	2.8	3.3	4.5	3.8	3.9	3.7	4.4	3.6	4.9	4.8	3.2	4.0	3.7	4.7	4.3	4.0	4.0	4.2	2.9	2.6	4.5	3.1	2.4	2.9	3.2	3.2	5.6	4.2	3.2	3.8	4.4	2.7	4.7	4.4
CDKN2AIPNL	6.1	5.7	5.0	5.3	6.3	4.9	5.4	5.8	4.7	5.5	5.9	5.5	6.0	5.9	4.6	5.3	4.6	5.8	3.6	5.9	5.9	5.2	4.9	5.5	4.1	3.1	5.7	5.0	3.4	4.6	4.2	5.1	4.1	5.9	5.9	4.4	6.3	5.7	4.9	4.4
CDKN2C	6.5	5.1	3.7	6.2	5.4	5.2	5.1	5.8	6.0	3.9	6.0	5.4	7.5	6.8	11.0	7.7	6.3	5.0	4.1	6.7	6.3	6.7	6.0	5.2	4.5	5.7	8.3	6.6	3.6	6.8	5.4	4.8	8.9	4.5	3.9	5.2	5.2	3.8	8.0	7.2
CDKN2D	4.5	2.9	4.3	8.0	4.0	4.8	4.4	4.2	5.6	4.9	4.3	4.0	4.3	4.3	4.4	3.7	4.7	3.3	4.0	4.5	3.1	3.6	2.9	4.2	3.2	3.4	4.4	3.2	3.8	3.8	3.0	3.5	5.8	4.5	4.6	2.7	3.5	2.9	3.4	2.4
CDO1	4.6	1.8	0.9	1.1	7.4	3.2	3.3	2.8	3.6	2.1	3.4	2.5	6.9	4.1	11.2	4.3	2.7	2.6	2.5	7.9	9.8	2.8	1.7	1.9	2.4	4.3	3.9	2.8	4.3	4.2	1.6	2.3	15.2	6.7	1.9	4.6	5.3	2.7	7.5	3.7
CDR1	1.2	1.1	0.4	1.1	0.6	2.1	0.7	1.3	1.7	0.9	0.8	0.4	3.1	2.6	1.4	0.5	1.8	1.0	0.9	2.6	4.1	0.8	2.2	0.8	1.3	2.6	2.0	1.2	1.1	1.7	0.7	1.1	1.8	2.3	1.3	1.2	1.6	1.8	1.7	0.6
CDR2	3.1	1.6	2.1	1.5	1.7	2.3	1.2	2.4	3.1	3.8	2.3	2.1	4.5	3.3	8.8	3.5	2.8	2.3	2.8	4.9	2.8	2.2	1.7	2.2	2.3	5.8	2.4	2.6	3.3	3.4	1.9	3.1	9.1	6.5	1.7	2.3	3.3	3.3	3.3	2.4
CDR2L	5.8	3.2	5.7	5.3	4.8	3.8	3.3	4.2	6.4	6.7	5.2	4.5	5.4	4.4	5.5	8.6	3.6	4.2	4.6	4.7	5.2	3.9	3.5	4.2	3.5	4.6	4.0	4.0	3.9	3.7	4.8	6.6	5.0	7.9	2.9	4.3	5.3	5.5	3.8	2.8
CDS2	14.2	15.5	14.2	12.2	18.7	15.4	12.1	19.5	17.3	13.0	19.4	14.2	13.5	14.2	13.7	16.7	16.6	15.7	15.4	17.1	12.0	14.6	14.8	17.0	11.9	14.0	15.7	15.8	10.1	11.4	10.5	17.9	15.9	16.3	15.6	11.9	13.1	10.8	12.0	18.3
CDV3	26.8	32.0	30.5	33.4	27.9	20.1	22.2	24.0	28.7	27.1	23.3	23.9	28.0	28.3	24.7	24.3	32.9	25.3	22.9	24.9	27.5	23.3	30.1	24.9	18.9	27.7	30.4	27.5	19.7	23.8	19.7	27.7	44.1	33.0	26.4	32.2	30.1	41.8	34.5	25.7
CDYL	3.1	4.0	2.8	3.4	4.1	4.0	3.2	3.9	4.6	4.0	4.2	4.3	3.9	6.0	4.3	4.8	3.9	4.2	3.9	4.5	3.7	3.7	4.3	3.9	4.0	4.2	4.5	4.3	3.5	2.7	2.7	4.1	5.1	4.8	2.7	3.4	4.7	4.1	4.3	4.0
CEACAM19	4.1	3.1	2.5	4.5	4.4	2.5	3.5	1.1	1.8	1.5	2.5	3.7	1.6	2.3	3.0	1.3	1.4	1.2	2.3	1.4	2.7	2.5	1.6	2.0	2.3	2.0	3.1	1.1	1.7	2.5	5.2	1.5	1.5	2.2	2.8	1.2	2.0	2.6	1.5	1.7
CEBPA	0.2	0.4	0.1	0.3	0.4	0.2	0.2	0.3	0.8	0.3	1.4	0.2	1.4	0.9	1.9	0.3	1.5	0.3	0.6	0.6	17.0	0.4	1.0	0.2	0.1	0.1	0.4	0.3	0.1	0.3	0.1	0.2	3.2	0.4	0.3	0.1	0.2	0.9	0.7	0.8
CEBPB	2.2	3.6	3.1	6.5	2.3	2.0	3.6	2.0	3.6	3.4	2.4	2.3	2.6	2.9	5.1	4.2	5.5	2.4	2.6	2.9	3.3	1.0	2.0	2.3	9.1	9.1	8.2	7.3	3.7	6.9	5.0	6.4	23.7	9.0	6.8	6.2	6.3	3.9	9.2	2.8
CEBPD	17.0	15.8	13.7	48.4	32.7	31.0	35.1	13.6	15.2	21.2	7.2	9.3	21.0	29.6	31.3	37.5	39.7	17.7	25.7	12.3	27.6	8.3	8.1	6.3	86.3	86.3	48.4	42.4	34.1	118.5	19.5	37.9	157.7	43.1	25.2	29.1	56.7	26.9	55.4	29.2
CEBPG	3.6	5.1	4.8	4.0	5.1	4.8	4.0	4.2	5.2	4.7	4.9	3.7	5.2	6.7	4.9	5.8	5.0	4.3	3.6	5.2	6.3	4.1	4.7	3.8	3.3	3.9	5.1	4.7	3.2	4.0	4.1	5.5	9.2	7.0	4.8	5.6	8.3	5.8	6.1	5.5
CEBPZ	5.8	6.7	6.7	7.1	7.0	5.7	5.7	6.3	7.6	8.4	6.2	6.8	7.6	7.9	6.4	6.3	7.7	6.1	6.4	8.6	8.0	6.9	7.1	6.8	6.5	7.2	7.1	7.1	5.4	6.6	5.2	6.9	12.3	9.5	7.3	7.5	8.6	5.8	8.1	6.7
CECR1	6.9	5.4	3.2	2.5	1.0	4.2	3.6	3.8	4.9	3.4	2.5	2.7	5.2	3.5	4.4	6.8	5.4	3.1	3.5	7.6	3.8	1.7	6.9	8.3	3.3	3.1	2.2	3.7	4.6	2.3	3.0	6.2	4.4	2.7	3.6	5.6	4.0	0.8	6.1	6.7
CECR5	11.2	16.1	15.2	14.1	12.6	11.5	13.2	11.5	14.3	12.6	19.2	13.9	12.1	11.6	10.3	12.5	9.1	10.8	10.1	12.6	11.1	12.7	13.0	12.3	11.4	10.1	14.5	17.7	10.4	14.8	11.0	13.1	8.6	12.9	13.6	12.5	11.7	9.1	11.3	12.5
CELF1	10.5	12.0	8.2	9.6	18.0	7.9	7.0	10.1	12.9	11.0	10.6	10.3	10.9	12.0	10.1	10.9	12.1	12.6	12.4	12.3	10.9	9.4	11.5	10.4	8.5	11.4	11.2	10.2	7.9	8.8	8.9	10.2	16.1	15.0	13.0	10.2	11.5	11.3	11.3	10.6
CELF2	10.2	9.8	7.2	5.8	12.7	8.0	8.6	12.1	10.3	8.9	10.8	6.9	9.0	9.3	7.7	8.2	9.7	10.3	9.6	11.6	11.3	9.9	10.7	8.1	8.0	10.2	11.1	11.7	5.3	7.6	10.0	9.1	16.1	11.7	11.7	10.9	14.1	9.6	11.7	11.6
CEMP1	1.4	1.1	0.9	0.6	2.3	1.4	1.1	1.8	2.8	1.7	1.6	1.6	2.4	3.0	2.1	1.5	1.1	1.4	1.6	2.2	3.0	1.4	1.2	1.2	1.4	1.0	1.2	2.1	2.2	2.7	1.7	1.4	3.1	2.0	1.9	1.4	1.8	0.7	1.6	1.2
CENPB	10.0	10.4	9.0	10.3	13.4	11.2	8.6	10.0	13.7	11.0	10.7	11.6	13.1	15.1	14.3	11.3	12.5	11.2	10.9	12.7	11.7	10.0	9.5	9.9	8.6	10.4	10.9	11.8	13.1	10.8	9.5	9.9	11.8	15.4	11.1	11.2	12.0	12.0	10.6	7.9
CENPC1	1.6	1.8	1.6	1.4	2.5	2.1	1.5	1.8	2.6	2.1	1.8	1.9	2.1	1.8	1.9	1.8	1.8	2.0	2.1	3.3	2.5	1.8	1.7	1.7	2.2	2.5	1.9	2.2	1.5	1.3	1.5	1.4	4.7	2.7	1.9	2.4	2.4	1.3	2.3	2.8
CENPT	5.9	7.0	5.5	6.3	8.3	7.0	6.6	6.5	8.6	6.4	7.4	7.3	7.2	7.0	12.6	6.2	6.8	6.4	7.4	8.6	8.5	6.4	5.8	6.7	8.0	6.3	8.1	7.8	7.3	9.5	9.2	7.5	14.3	7.7	8.4	6.6	8.6	7.4	8.9	7.2
CENPV	1.5	2.0	1.1	4.0	1.2	2.5	2.9	1.8	2.0	1.1	1.7	1.3	1.8	1.0	1.2	2.3	0.4	0.9	1.4	1.2	2.4	1.5	1.2	1.7	1.3	1.2	2.2	2.5	1.0	0.6	2.0	2.1	0.8	0.8	2.4	1.9	1.0	1.0	1.6	4.2
CEP120	2.6	2.8	2.3	2.1	3.0	2.4	2.2	3.0	3.3	2.5	2.6	2.2	3.4	3.4	2.7	2.8	3.4	2.7	3.6	4.1	3.0	3.0	3.2	2.5	2.0	3.3	2.9	2.5	1.7	2.4	2.8	2.0	5.5	3.1	2.8	2.8	4.0	2.7	3.6	3.8
CEP164	1.3	1.3	1.1	1.3	1.6	1.5	1.0	1.4	2.2	1.4	1.7	1.6	2.1	2.6	4.1	1.4	1.7	1.9	1.5	2.8	2.1	1.8	1.7	1.4	1.9	2.6	1.3	1.7	2.3	1.9	1.6	1.7	4.1	2.2	1.4	1.8	2.1	1.5	2.0	1.6
CEP170	4.5	3.6	2.7	3.1	3.9	3.8	3.0	4.4	6.1	3.7	4.2	2.9	3.2	4.8	2.6	2.7	4.2	5.3	5.0	6.9	3.6	3.8	3.6	3.8	3.0	4.0	2.8	3.4	2.7	2.4	2.8	3.2	5.5	4.4	2.9	3.8	4.3	3.2	2.9	4.9
CEP350	2.1	2.0	1.9	1.7	2.0	2.1	1.8	2.1	2.6	1.7	2.1	1.6	1.9	2.4	1.4	1.7	2.1	2.1	1.9	2.6	1.6	1.6	1.9	1.7	2.6	2.0	2.2	2.0	1.2	1.7	1.4	1.8	3.1	3.4	2.3	2.7	3.1	2.1	3.0	2.1
CEP57	5.0	5.1	4.6	4.1	5.5	5.1	3.5	4.5	6.0	5.3	6.8	5.6	5.7	5.7	6.1	5.3	4.9	6.6	5.4	6.6	5.1	6.3	7.4	5.5	3.6	5.5	6.4	6.7	4.1	5.3	4.8	4.4	6.1	5.9	5.6	3.9	5.0	3.3	5.9	6.2
CEP63	11.5	10.8	9.1	12.0	10.0	10.6	9.5	10.7	10.4	8.8	10.1	7.7	13.4	12.1	10.3	10.6	9.6	10.4	10.2	9.4	8.7	10.7	10.6	10.4	6.5	8.5	11.6	12.0	7.4	10.2	8.7	10.2	8.0	9.7	8.9	10.5	12.2	9.7	11.6	11.6
CEP68	5.2	4.3	3.8	4.7	5.4	5.4	3.9	4.0	5.8	5.8	6.3	5.4	5.7	6.7	5.5	4.5	6.4	5.8	6.1	5.6	5.7	5.5	6.0	4.9	3.1	4.8	6.0	5.4	3.5	3.8	5.2	4.4	7.1	4.2	4.6	5.4	6.0	4.7	5.3	6.2
CEP70	2.6	3.3	2.3	4.1	3.1	2.9	3.2	3.2	3.1	3.4	2.8	3.1	3.4	3.8	3.2	3.0	2.8	4.0	2.8	3.8	2.7	3.2	3.2	2.6	2.4	2.3	2.9	2.7	2.1	2.4	2.4	2.7	2.3	3.7	2.5	3.1	3.2	2.8	2.7	3.2
CEPT1	3.3	2.6	2.0	2.9	3.5	2.8	2.7	2.7	2.9	3.1	3.1	3.1	4.3	4.2	4.6	2.5	2.6	2.8	2.7	3.6	3.9	3.1	2.5	3.2	2.7	3.7	3.0	2.6	3.5	2.6	2.6	3.3	6.9	3.6	2.6	3.0	4.0	2.7	3.7	3.0
CERCAM	1.5	1.7	1.2	1.9	4.3	2.0	1.9	4.3	7.8	5.7	3.6	2.8	8.1	9.6	21.8	3.1	5.7	4.0	4.8	6.2	9.0	3.9	3.5	2.9	4.0	11.2	1.5	4.6	9.7	4.7	2.6	6.8	11.7	9.3	2.6	4.9	6.5	5.1	2.5	3.2
CERK	13.0	12.2	11.0	18.5	17.5	11.1	11.5	14.5	15.9	13.7	16.0	19.9	13.3	19.7	13.5	18.4	18.6	14.0	14.8	15.7	16.0	14.1	17.5	15.1	11.7	11.1	16.4	13.3	9.6	11.4	12.8	13.9	13.1	18.7	14.8	14.3	19.4	13.5	19.4	11.9
CES1	4.6	4.9	6.6	7.3	13.7	5.6	4.2	11.6	9.8	6.7	10.5	6.4	12.9	12.3	4.8	13.3	9.2	10.9	10.4	18.4	30.3	12.3	5.2	7.0	10.3	10.9	14.5	7.1	13.3	19.4	3.7	9.5	22.5	11.0	5.0	14.3	7.9	6.5	4.9	8.7
CES2	18.2	10.1	16.3	16.5	18.9	11.6	17.3	19.9	14.8	16.3	14.6	13.5	21.2	12.7	10.8	11.6	13.3	11.9	20.5	9.7	21.2	13.3	16.2	10.0	6.2	10.9	18.4	17.8	9.5	9.0	10.2	12.8	10.9	13.6	16.1	14.8	18.9	13.5	11.8	15.4
CES4A	1.2	2.3	2.0	2.1	4.3	2.3	1.7	2.7	3.3	2.5	1.8	2.4	3.6	4.0	3.3	5.2	5.2	2.1	1.3	2.6	2.1	2.1	1.6	2.6	4.1	2.3	3.2	2.3	2.6	2.8	2.8	2.5	4.1	3.9	2.1	3.6	3.3	2.8	3.2	1.0
CETN2	17.3	12.6	12.8	17.1	20.2	13.1	13.7	13.6	17.2	13.4	16.8	17.1	21.7	22.3	21.8	16.1	17.0	17.8	14.5	19.2	18.6	17.6	15.7	16.3	15.0	13.5	14.1	16.1	13.8	18.5	14.4	15.3	14.8	19.4	16.1	15.3	15.4	12.5	15.2	16.0
CETN3	5.5	6.7	4.8	6.1	5.4	5.5	5.5	5.9	7.0	5.4	7.7	8.4	7.6	6.1	8.6	4.9	6.4	8.4	7.0	8.2	8.3	5.5	8.2	8.4	5.9	6.0	5.7	7.6	4.5	8.8	7.1	4.8	7.0	7.7	5.6	6.1	7.0	3.2	7.1	7.7
CFB	0.6	0.8	0.8	1.4	2.2	0.9	0.9	2.8	3.7	1.2	1.4	0.9	6.2	2.0	7.7	1.2	0.8	1.8	2.2	3.4	3.1	1.5	0.9	2.0	1.6	3.4	1.0	1.1	5.3	2.3	0.9	1.6	6.0	2.1	1.1	1.1	1.8	1.3	1.1	1.6
CFD	77.5	56.6	47.4	58.9	75.2	79.9	79.7	85.4	65.4	21.0	71.7	13.7	67.2	43.2	98.5	61.9	31.1	38.6	58.8	59.8	247.7	54.1	28.5	26.4	63.7	32.3	80.7	44.2	43.1	109.3	20.1	40.5	116.3	40.2	60.0	48.9	31.6	47.1	50.1	64.9
CFDP1	10.6	11.3	8.0	13.1	10.4	10.2	10.2	10.6	11.7	11.2	9.5	12.3	12.7	13.6	18.2	10.8	11.3	13.2	11.9	13.8	14.6	9.9	12.5	11.6	12.5	14.3	14.8	13.8	11.8	17.2	12.6	13.3	21.8	16.4	13.0	10.6	15.4	11.8	13.9	11.3
CFH	6.0	7.1	6.8	10.7	18.1	12.9	10.5	13.1	34.1	30.7	13.4	8.6	49.2	38.2	118.9	15.3	26.7	22.8	17.4	80.2	29.3	16.4	10.5	9.9	18.3	55.1	10.8	14.8	30.6	9.2	4.5	12.3	60.8	42.5	6.6	17.2	19.4	18.3	21.4	9.3
CFI	3.9	3.8	3.2	5.5	4.1	4.0	3.9	3.4	6.0	4.9	5.0	3.9	11.9	4.9	14.4	3.9	5.8	6.3	5.9	6.3	7.3	4.7	2.7	3.6	2.0	8.1	3.7	6.7	8.0	6.2	4.7	6.0	15.6	6.3	4.0	3.2	7.5	3.0	1.9	3.7
CFL1	82.2	82.5	87.4	138.0	119.5	76.0	91.0	101.0	106.5	84.9	96.6	91.9	102.4	126.2	150.5	94.8	102.1	85.4	90.6	103.1	112.1	83.5	91.6	84.8	78.2	103.0	93.9	89.1	100.1	113.2	95.4	119.7	155.5	121.6	85.2	95.5	92.0	97.2	106.3	70.6
CFL2	52.4	120.1	100.4	61.7	86.2	55.0	63.3	70.3	62.9	83.0	76.1	86.8	75.7	127.1	70.3	65.7	97.6	101.3	74.4	56.0	84.7	77.6	94.7	75.3	48.2	81.6	126.0	129.4	60.3	86.1	140.5	131.0	68.1	96.5	77.0	144.8	121.2	187.9	172.5	77.1
CFLAR	44.5	41.7	28.6	27.3	46.9	35.8	32.2	33.0	35.6	29.6	43.4	31.6	28.9	31.4	21.5	37.0	30.2	35.9	34.3	39.2	32.8	34.5	29.7	38.7	30.3	27.4	39.5	29.7	15.6	19.5	31.1	28.0	33.1	37.7	39.7	34.6	40.4	26.9	34.0	40.3
CGGBP1	9.7	9.9	8.3	10.1	12.1	8.3	7.4	10.8	11.2	9.7	8.3	8.0	10.6	11.6	9.0	9.5	8.4	10.7	8.8	13.6	10.7	8.7	10.2	7.8	8.1	9.7	9.8	8.6	6.5	7.1	7.8	10.1	15.0	13.4	10.0	10.8	13.0	9.9	11.2	10.0
CGNL1	2.7	4.5	1.2	2.1	3.6	4.6	2.1	8.3	7.4	8.8	6.7	5.4	4.5	6.0	8.5	7.7	2.9	7.2	5.9	14.8	4.8	5.3	5.6	11.2	6.6	10.8	5.0	2.5	4.0	5.5	4.2	3.9	2.9	5.6	6.2	3.1	5.0	2.5	4.2	6.7
CGRRF1	2.6	3.6	3.4	4.7	4.1	3.8	3.7	3.2	3.7	4.1	3.4	3.1	5.7	5.5	4.6	3.8	3.6	3.3	3.7	4.7	3.5	2.8	4.1	3.1	2.7	4.1	3.7	3.2	3.0	3.9	3.3	3.9	4.7	4.5	3.4	3.8	5.0	3.4	4.0	3.2
CH25H	0.3	0.0	0.1	0.3	0.1	0.3	1.1	0.0	0.5	0.9	0.2	0.5	0.9	0.5	2.7	7.8	0.9	0.1	1.2	3.0	0.1	1.3	0.1	0.2	1.6	4.6	0.1	0.9	0.1	7.2	0.3	2.1	12.4	0.4	0.1	0.9	0.2	0.4	0.7	0.6
CHAC1	0.0	0.3	0.4	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.9	0.2	2.3	0.7	0.2	1.1	0.6	0.6	0.3	0.9	0.2	0.3	0.4	0.8	1.6	1.2	1.4	0.2	2.9	1.2	2.3	1.6	4.4	0.8	1.1	6.1	5.1	0.5	0.5
CHCHD1	7.2	9.4	10.3	12.9	8.6	9.8	10.6	11.3	8.5	7.9	10.5	10.2	11.9	13.0	8.6	8.7	9.3	9.9	9.7	6.9	11.2	8.7	8.7	9.3	8.0	7.3	9.8	10.4	5.8	11.6	9.4	9.3	6.6	11.4	10.9	9.1	9.5	8.8	9.3	8.9
CHCHD10	146.3	152.7	169.5	169.0	97.3	118.8	148.7	146.4	151.4	128.1	169.4	161.8	95.5	90.8	93.7	142.8	106.0	139.5	154.6	118.2	102.2	99.4	151.9	149.7	145.6	104.6	165.6	151.2	78.0	135.4	172.5	163.3	70.3	138.8	124.6	149.1	102.1	94.0	146.3	134.5
CHCHD2	110.0	138.0	119.5	116.6	161.8	109.5	147.3	107.6	130.2	117.1	136.3	167.9	132.5	129.1	114.6	129.8	119.7	108.5	134.7	126.6	135.8	121.4	118.8	114.9	103.9	107.0	124.6	130.1	115.6	149.5	104.5	142.5	97.6	134.1	151.2	117.6	135.0	130.2	132.7	97.7
CHCHD3	62.4	75.7	64.8	70.3	57.8	57.6	57.3	72.4	52.6	62.8	61.3	62.9	50.6	58.8	43.9	62.9	53.3	62.0	52.7	50.4	54.5	52.3	65.9	69.3	43.1	48.6	67.7	73.7	42.5	49.4	47.2	65.1	35.3	52.2	48.6	57.2	61.2	54.6	56.6	75.8
CHCHD4	5.6	5.8	4.4	6.4	5.6	6.0	4.0	5.8	5.2	4.1	5.3	4.8	5.0	6.7	5.6	4.9	3.9	4.1	5.0	4.1	5.2	4.8	3.8	4.8	2.7	3.0	6.1	5.2	3.9	4.5	4.5	4.6	3.8	5.1	4.4	3.3	6.0	3.2	4.5	4.9
CHCHD5	3.9	5.5	4.4	6.4	4.6	5.5	6.0	5.5	4.8	5.4	7.5	7.5	3.9	5.3	8.2	5.2	7.6	7.1	7.2	6.2	8.1	6.6	6.2	5.6	4.8	4.2	5.2	8.5	5.2	8.5	6.2	7.5	6.3	6.5	4.5	6.0	4.8	5.0	5.5	6.2
CHCHD6	2.3	3.1	2.5	3.1	1.9	2.4	2.4	2.2	2.4	2.7	2.5	2.4	2.2	4.2	2.9	2.2	3.0	2.1	3.2	2.6	2.9	3.1	2.5	2.9	1.7	2.5	3.1	3.8	2.6	3.6	3.8	2.4	2.5	2.8	2.9	2.5	4.0	2.3	3.0	1.8
CHCHD7	7.2	8.1	6.5	6.6	8.2	8.0	8.5	8.1	7.6	8.1	9.4	9.0	9.0	7.8	6.6	9.2	7.3	9.3	7.5	8.9	7.8	7.4	7.7	8.0	7.6	4.5	8.5	8.8	5.3	11.9	6.9	8.1	6.6	8.7	8.0	7.1	7.8	5.7	8.2	8.8
CHCHD8	14.8	18.2	17.6	16.0	20.0	16.6	15.9	18.0	16.3	15.9	18.5	17.7	21.3	26.0	16.3	16.4	15.6	18.1	16.3	20.4	15.5	14.6	15.3	14.9	12.3	12.8	20.0	17.9	13.5	18.6	18.5	17.3	16.7	18.6	17.1	15.5	17.8	16.2	16.7	13.3
CHD1	3.0	2.4	2.7	2.4	2.7	2.2	2.4	2.2	3.0	2.5	1.9	1.8	2.3	2.3	1.8	2.5	3.2	2.4	2.5	3.5	2.3	2.2	2.0	2.0	2.5	3.9	2.3	2.3	1.3	2.2	2.0	2.3	5.9	4.7	2.7	2.9	4.0	2.2	3.7	2.7
CHD1L	2.5	2.2	2.6	3.0	2.9	2.2	1.5	2.7	3.1	3.7	2.8	2.7	3.2	4.4	4.6	1.6	3.2	3.4	2.6	4.4	3.7	3.3	2.4	2.7	2.7	4.0	3.2	2.8	3.2	2.0	3.0	3.2	5.9	4.0	2.8	4.9	4.5	4.8	2.8	2.5
CHD2	6.6	6.3	5.0	5.5	9.0	5.6	5.6	5.9	8.0	6.5	6.7	5.7	7.0	7.2	7.0	6.4	8.9	7.9	6.7	8.5	6.9	6.5	7.2	7.1	5.5	6.4	5.9	5.5	4.3	4.8	5.2	5.9	12.5	8.2	7.4	8.8	8.4	5.5	9.1	8.5
CHD3	3.8	3.5	2.6	2.9	4.8	4.1	3.2	4.9	5.0	3.6	4.2	3.2	5.5	5.5	11.2	4.3	4.4	4.7	4.4	8.8	5.6	3.9	3.5	3.7	4.1	6.3	3.9	4.6	6.1	4.7	3.1	5.3	11.0	7.2	4.0	3.3	5.0	3.8	4.5	3.4
CHD4	24.5	23.1	18.3	23.3	23.2	22.4	16.4	21.2	26.5	20.3	21.2	19.7	24.0	25.1	24.0	23.8	23.9	21.0	18.6	26.5	21.2	22.1	21.8	23.6	14.9	20.5	20.5	19.0	17.6	17.3	17.5	22.2	19.3	24.7	18.9	21.8	25.1	22.2	22.8	21.2
CHD6	3.3	3.2	3.1	3.0	4.0	3.6	3.4	4.8	5.0	3.7	4.2	3.4	2.8	4.6	2.5	4.0	3.9	4.6	4.2	5.6	3.8	4.2	3.9	4.3	3.2	3.0	3.8	3.5	1.9	2.2	3.3	3.5	5.1	5.5	3.5	4.2	5.0	3.5	3.4	4.9
CHD8	3.9	4.0	3.7	3.7	4.0	4.1	3.6	4.9	5.9	3.9	3.8	3.9	4.4	6.0	4.6	4.0	4.6	4.9	3.9	6.1	4.7	4.5	4.5	4.6	3.2	3.6	4.3	4.0	2.9	3.0	3.7	3.9	5.6	5.1	3.0	4.6	5.2	4.2	4.3	5.5
CHD9	2.1	1.9	1.7	1.9	2.5	1.9	1.5	2.1	3.0	1.5	1.9	1.5	1.8	2.5	1.8	1.5	1.9	2.1	2.1	3.0	2.1	1.9	2.1	1.7	1.7	1.9	1.9	1.8	1.4	1.4	1.9	1.9	2.8	2.8	1.5	2.6	3.1	2.2	2.0	2.5
CHERP	3.8	4.7	4.1	5.1	5.4	5.0	3.5	4.2	6.1	4.5	5.5	6.0	5.4	6.9	7.6	5.2	5.6	4.0	4.9	5.5	6.7	4.9	5.6	6.0	4.2	5.8	6.5	6.3	4.3	6.5	4.8	6.1	8.5	5.5	5.2	5.5	5.6	5.0	5.3	5.4
CHFR	2.4	2.8	2.3	3.7	3.4	2.1	2.3	2.8	3.1	3.2	3.1	2.9	3.1	3.4	3.8	2.6	2.6	3.2	3.1	2.9	3.1	2.6	2.4	2.4	2.4	2.5	2.9	3.1	2.3	2.4	3.1	3.4	4.6	3.6	2.7	3.8	4.4	4.7	3.5	2.1
CHGB	7.0	6.6	1.5	1.5	5.2	2.8	1.0	5.0	1.7	2.8	4.5	5.3	1.8	1.9	1.9	3.2	6.3	2.3	2.0	3.2	2.0	2.3	2.5	5.3	1.3	2.4	3.0	1.1	1.9	1.3	1.2	1.9	3.8	1.9	2.2	1.1	1.5	1.4	1.9	3.5
CHI3L2	0.5	0.7	0.5	0.8	1.0	0.2	1.2	1.8	2.4	0.0	1.1	0.1	1.2	0.3	1.3	0.1	0.5	0.1	0.5	0.2	7.3	0.6	0.7	0.3	0.5	0.3	0.2	0.3	2.9	0.6	0.3	0.3	3.5	0.2	0.2	0.0	0.3	0.2	0.7	0.3
CHIC2	1.5	1.9	1.4	2.0	3.2	1.9	1.7	1.7	2.2	3.3	2.3	1.3	2.7	3.4	3.0	2.6	4.0	1.7	2.6	3.2	3.0	2.5	1.8	1.3	2.9	4.6	2.6	2.1	2.6	3.4	1.7	3.2	7.5	4.9	3.3	2.7	4.0	4.8	4.0	2.7
CHID1	4.7	4.2	4.0	5.7	7.6	6.2	4.8	5.2	7.4	6.8	7.8	7.2	8.3	8.6	10.7	6.5	8.3	7.2	6.7	7.8	7.6	6.8	5.5	5.9	5.6	6.6	6.2	6.9	6.5	7.8	5.4	6.7	8.1	9.1	7.0	5.5	7.4	6.3	4.9	6.8
CHKA	2.4	4.4	2.6	2.8	5.1	3.7	2.4	3.3	3.8	3.1	4.5	3.8	4.4	4.5	3.7	3.7	3.1	3.9	3.8	5.2	4.0	3.5	3.1	3.7	4.5	5.6	4.9	4.8	3.2	6.6	4.9	3.7	8.3	5.2	4.9	4.3	5.8	3.0	4.4	3.0
CHKB	9.2	11.4	7.5	7.7	12.4	7.8	9.0	9.3	11.2	7.5	11.3	9.8	13.7	10.6	14.2	7.9	9.8	8.9	10.4	13.0	9.9	10.9	8.2	12.6	10.7	8.3	16.3	15.2	17.4	12.0	12.8	11.1	20.3	11.2	13.2	11.4	11.0	10.3	13.6	16.4
CHMP1A	9.0	9.5	9.9	9.5	12.1	10.2	8.9	10.5	13.2	11.4	12.8	12.2	14.8	15.3	13.4	11.0	12.3	10.7	14.2	12.7	13.4	9.4	9.7	11.3	10.1	9.5	11.9	12.8	10.3	12.6	9.8	11.8	16.1	14.2	12.6	11.7	13.6	11.3	11.1	9.4
CHMP1B	9.3	10.1	10.3	9.0	10.2	10.0	9.3	8.5	12.0	13.8	11.9	11.6	10.6	13.6	13.0	13.6	12.9	12.3	9.7	13.9	12.0	11.5	11.2	9.9	9.9	12.2	12.7	12.7	7.4	12.6	9.5	11.4	25.1	12.2	16.3	11.9	13.7	10.8	13.4	13.8
CHMP2A	46.4	52.0	48.3	65.9	59.8	50.1	48.2	51.4	54.4	47.5	54.8	60.6	58.0	52.7	63.2	53.4	59.1	47.9	57.4	57.0	56.5	53.8	58.3	53.1	51.6	54.8	63.4	61.2	46.4	67.4	58.4	56.1	54.7	52.6	50.2	48.5	50.9	48.2	61.0	52.0
CHMP2B	7.8	8.8	8.5	8.7	9.0	6.6	7.7	8.7	10.0	9.3	10.4	8.7	9.3	11.7	11.2	9.3	9.2	10.9	7.4	10.5	9.5	10.0	9.3	8.6	7.1	9.6	10.0	8.2	6.4	8.5	7.5	9.9	11.9	10.6	8.4	8.7	10.7	9.9	10.9	10.4
CHMP4A	10.4	10.0	8.8	10.5	9.8	10.6	10.5	7.5	11.5	10.7	11.3	15.7	15.8	12.3	17.8	8.9	12.9	11.6	11.9	13.4	13.9	10.8	13.6	14.0	10.2	14.0	13.7	10.9	11.3	15.7	8.9	7.9	18.3	14.5	12.1	11.1	11.4	10.6	12.3	11.4
CHMP4B	45.2	53.6	50.0	57.3	57.6	40.5	51.2	54.6	51.2	49.5	46.5	51.7	54.3	59.7	60.7	60.6	55.7	50.3	49.3	48.5	49.9	50.7	49.9	53.3	47.7	47.1	59.5	50.0	41.6	56.0	46.2	58.0	50.8	57.5	51.9	64.6	54.1	66.3	76.3	48.6
CHMP5	13.1	15.1	10.5	11.9	14.9	14.9	12.0	13.8	19.1	16.2	16.7	17.1	24.4	18.8	21.5	17.6	17.9	19.2	15.4	20.1	17.0	17.9	17.6	19.0	12.5	16.9	18.7	17.9	13.5	20.2	13.4	18.5	19.4	19.2	15.5	15.8	19.3	16.6	20.2	16.6
CHMP6	4.1	6.5	5.4	5.5	5.5	7.0	5.7	5.2	6.9	6.0	7.0	6.3	6.4	8.1	8.0	6.6	6.7	5.0	5.3	4.9	6.4	6.4	6.4	6.2	5.3	4.8	5.1	7.9	5.8	7.4	6.2	6.7	5.3	6.0	7.0	5.7	7.1	7.4	6.0	6.6
CHMP7	9.0	8.4	7.9	8.8	9.1	7.9	7.8	9.8	9.3	7.1	8.2	7.4	8.8	9.4	8.4	7.7	7.2	7.8	7.0	9.1	8.0	7.4	6.9	7.7	6.4	7.9	7.5	7.5	6.2	6.5	6.1	8.1	10.1	9.5	8.4	7.1	8.4	6.6	7.3	7.8
CHN1	2.6	3.3	3.1	2.8	2.2	2.6	2.3	2.9	4.1	3.8	4.1	3.9	5.6	6.0	4.7	4.0	5.4	4.2	3.9	4.5	3.6	4.0	4.6	3.0	2.9	5.3	4.4	4.7	4.1	4.3	3.7	3.8	4.7	4.3	3.6	3.2	5.1	3.7	5.9	3.5
CHN2	2.6	4.4	2.4	2.0	3.9	5.4	3.8	3.4	4.1	3.0	3.7	4.6	3.4	5.1	3.0	4.8	2.8	4.8	3.4	5.1	2.0	2.9	5.8	3.3	3.1	2.9	5.0	6.0	2.4	4.9	2.8	4.8	2.5	3.8	2.6	8.8	2.2	5.4	10.6	3.8
CHORDC1	5.1	4.6	4.6	5.0	4.6	3.3	3.7	5.4	5.7	5.6	3.2	4.3	4.9	5.1	5.2	5.4	4.5	5.6	4.6	5.8	5.9	4.3	5.6	7.0	4.3	6.4	5.9	5.4	3.2	4.5	5.8	8.6	10.0	9.2	6.4	6.7	8.2	7.5	7.7	6.0
CHP	12.8	15.1	15.6	18.6	14.7	13.2	12.2	17.3	16.4	14.9	14.7	18.7	12.3	16.9	13.1	17.8	14.8	17.2	13.2	17.2	15.5	14.5	14.5	18.3	11.7	14.4	13.6	13.0	11.7	8.0	10.2	16.2	12.6	18.9	11.2	16.8	14.1	14.6	13.9	14.9
CHPF	17.7	24.1	24.8	25.4	49.1	33.0	22.7	33.1	36.0	30.8	29.2	35.6	30.5	47.6	61.8	28.8	35.7	23.2	31.2	34.1	37.4	32.5	30.1	27.6	24.4	31.8	21.0	22.6	33.6	29.8	22.8	30.1	23.7	34.4	22.1	24.2	33.9	32.2	22.5	20.0
CHPF2	2.6	4.0	4.6	3.5	6.0	4.3	3.2	4.3	6.8	3.8	5.4	6.3	5.1	7.5	7.6	4.7	7.0	4.4	4.5	6.8	5.7	4.8	4.8	4.9	5.1	3.9	5.2	3.9	5.5	4.2	3.7	5.5	5.8	6.5	4.0	7.1	5.0	6.9	4.9	3.4
CHPT1	54.8	32.0	40.4	38.9	50.6	30.7	37.6	39.5	35.6	32.4	31.2	38.1	33.9	43.2	29.0	31.9	25.0	29.9	28.2	23.1	39.1	34.0	23.0	31.6	27.7	23.5	36.9	27.1	21.6	29.8	25.4	21.8	25.4	32.8	34.6	30.3	34.1	23.5	27.2	34.9
CHRAC1	4.7	3.3	3.7	4.1	4.6	3.8	3.4	3.5	3.4	2.1	2.6	2.4	2.7	4.1	4.5	3.0	1.7	3.1	1.6	3.3	3.5	3.2	2.1	2.3	3.7	2.8	3.7	3.5	2.8	3.2	3.0	2.9	4.0	4.5	3.8	2.4	4.4	4.0	3.9	3.7
CHRD	2.3	1.9	1.8	2.9	3.1	2.6	1.9	2.4	3.9	2.2	2.0	2.5	2.7	2.9	7.8	2.4	1.4	2.6	2.7	4.5	3.4	2.3	1.4	1.8	2.6	4.5	1.7	2.6	4.3	3.1	2.0	3.4	3.9	3.4	1.7	2.3	2.6	1.8	1.7	2.3
CHRDL1	0.3	0.4	0.5	0.1	0.9	0.7	0.6	0.6	2.0	1.2	0.9	0.2	9.9	3.1	13.1	0.5	2.1	0.4	0.9	6.4	8.7	1.4	1.1	0.4	1.0	6.5	0.7	3.3	2.6	3.2	0.2	0.8	15.6	1.7	0.6	3.3	2.8	2.3	4.3	1.2
CHRDL2	3.0	1.5	2.2	10.0	5.9	0.9	1.8	6.9	1.0	0.7	1.4	0.4	1.4	0.1	0.7	0.4	0.1	1.9	2.1	0.3	4.5	1.6	0.8	0.5	0.6	1.4	0.3	0.9	1.2	1.9	4.3	2.0	0.6	0.1	0.5	0.5	6.7	0.7	0.7	4.2
CHRM2	14.6	9.5	7.4	8.1	9.0	10.1	13.1	12.0	15.3	7.0	12.2	2.8	3.8	7.4	1.2	5.9	6.5	10.4	11.4	16.3	4.4	8.9	7.6	11.4	7.0	6.8	5.7	6.0	2.9	1.8	5.9	4.3	2.2	6.7	7.6	6.4	10.6	4.3	5.1	19.3
CHRNB1	1.4	1.7	1.0	2.1	1.2	1.7	1.2	1.8	3.5	1.9	2.1	2.0	2.0	3.7	1.5	2.3	2.5	1.7	1.6	1.5	1.4	1.9	1.9	2.3	1.7	1.1	1.3	1.8	1.2	1.5	1.4	2.2	1.2	1.4	1.6	1.0	1.4	1.8	1.4	2.3
CHRNE	0.1	0.1	0.1	0.0	0.6	0.6	0.1	0.7	0.7	0.4	0.4	0.9	0.2	0.2	4.1	0.2	0.3	0.6	0.4	4.5	0.2	0.2	0.1	0.8	0.9	1.0	0.1	0.2	1.6	0.1	0.1	0.4	0.4	0.8	0.2	0.3	0.0	0.2	0.0	0.0
CHST10	3.4	3.1	2.3	2.9	4.7	2.5	3.4	3.9	3.6	2.0	3.2	3.2	3.5	4.2	4.2	3.9	1.6	2.9	2.0	4.1	3.4	3.7	3.3	4.6	5.9	1.8	3.6	4.1	4.3	4.1	2.6	3.8	2.3	3.6	1.9	3.3	3.8	3.3	3.5	3.7
CHST12	3.2	3.8	2.2	3.0	4.4	4.4	3.0	4.4	4.7	3.1	3.6	5.1	4.6	4.1	5.5	4.7	3.7	3.7	5.1	4.7	5.2	4.3	3.3	3.9	3.2	4.3	3.4	3.6	3.6	3.6	3.4	3.5	4.4	3.8	3.1	3.3	4.4	4.0	3.8	4.7
CHST14	2.1	2.4	2.2	2.6	3.7	2.9	1.8	2.6	3.9	2.6	2.8	3.4	4.7	4.2	8.4	2.6	3.7	3.6	2.9	4.2	3.8	4.6	3.2	3.8	3.0	3.8	3.5	3.6	3.7	3.8	2.4	3.1	4.2	3.3	2.4	3.0	3.6	2.9	2.6	2.6
CHST2	1.6	0.7	0.8	1.7	2.3	1.5	1.0	1.2	1.8	1.5	1.0	1.4	1.3	1.7	1.6	4.0	1.7	1.2	1.5	2.7	1.9	1.5	0.5	0.8	1.0	2.3	0.6	0.8	1.1	1.6	0.8	1.3	4.1	1.2	0.6	0.9	1.3	1.4	1.0	0.6
CHST3	3.5	4.5	5.1	6.1	5.7	3.4	2.6	4.7	5.4	5.3	3.7	5.7	3.4	7.5	7.7	4.3	7.0	4.9	4.7	5.3	7.4	4.6	5.5	4.8	5.3	6.9	7.0	6.2	4.2	3.7	5.1	7.6	7.2	12.9	8.1	9.9	15.0	13.0	6.6	3.6
CHST7	2.6	1.9	4.7	4.9	5.6	1.8	3.0	3.0	2.7	6.1	4.1	8.0	5.6	9.6	4.2	7.3	8.3	4.5	6.8	3.4	6.9	4.4	2.6	4.9	7.0	4.5	8.0	4.6	3.4	7.1	2.0	2.4	12.7	12.8	6.4	4.7	10.6	6.2	5.4	1.7
CHST9	4.0	2.1	3.3	0.9	3.1	3.1	3.7	2.0	0.5	0.0	1.4	0.3	0.1	0.1	0.2	2.7	0.3	0.6	0.3	0.4	1.0	1.9	1.6	0.8	0.2	0.4	2.3	1.1	0.2	1.6	0.7	1.4	0.5	0.0	0.3	2.6	0.3	0.3	1.6	2.2
CHSY1	3.7	2.6	2.4	2.8	4.6	4.0	2.5	2.6	4.6	3.3	2.1	2.7	3.0	4.6	5.6	3.5	3.6	2.8	3.1	4.6	3.0	2.2	2.1	2.3	3.1	9.1	2.5	3.6	3.3	3.4	2.8	4.4	12.2	6.2	2.6	3.1	4.0	3.0	5.4	3.2
CHTF8	9.5	8.6	8.8	6.6	9.5	8.2	6.3	7.4	9.4	8.9	8.6	10.9	9.9	8.6	11.9	8.0	7.6	9.2	9.8	10.9	10.9	8.9	9.2	9.4	6.0	7.2	10.9	9.5	6.4	8.0	8.0	8.6	12.8	11.2	10.8	9.3	12.5	11.5	9.9	9.2
CHTOP	16.2	19.1	17.0	14.6	14.5	15.1	13.4	14.4	19.1	16.4	22.0	23.8	17.5	19.8	18.8	17.6	17.9	19.9	22.2	21.5	18.8	17.3	22.0	16.2	14.7	15.7	19.0	25.5	14.8	20.1	24.2	24.4	18.2	21.0	19.9	19.5	21.1	20.2	21.8	17.2
CHUK	3.0	2.9	3.3	2.7	3.5	2.1	2.1	3.1	2.9	3.3	2.9	2.4	3.1	3.7	2.1	3.2	3.3	3.3	2.2	3.7	2.9	2.0	2.3	2.0	1.6	2.5	2.5	2.9	2.1	2.2	2.3	2.8	3.8	3.9	2.4	3.0	4.4	2.7	2.9	2.5
CHURC1	3.9	4.0	3.8	5.3	3.7	2.7	3.5	4.4	3.9	3.1	4.5	3.6	3.8	4.9	4.2	3.2	4.1	3.3	3.4	3.3	3.9	2.8	4.0	3.4	2.6	2.7	4.7	3.8	3.1	3.7	4.0	3.5	4.1	4.4	3.6	3.8	5.2	2.9	4.9	3.8
CHURC1-FNTB	3.8	5.4	4.3	4.7	4.6	4.5	4.3	4.2	5.2	3.7	4.9	5.1	5.1	4.5	6.0	4.8	4.2	5.1	4.4	6.4	4.6	4.6	3.4	5.8	4.8	4.0	4.0	4.5	1.9	5.3	5.2	5.8	4.7	6.7	5.7	6.2	4.9	2.5	4.6	4.3
CIAO1	6.2	7.0	6.6	7.1	7.5	5.7	5.9	7.2	7.9	6.8	7.2	6.5	7.3	8.1	5.9	5.9	6.8	7.3	6.5	7.2	7.0	6.9	6.8	6.9	4.2	5.6	7.1	8.7	4.7	3.9	5.2	6.5	6.1	6.9	5.4	6.8	8.4	6.7	6.4	6.9
CIAPIN1	8.5	10.3	10.1	10.8	12.1	8.2	7.6	9.5	10.4	9.4	10.4	9.6	10.3	11.8	9.2	10.1	9.1	8.4	8.8	10.2	9.3	8.1	9.2	9.2	5.5	6.7	10.6	8.2	8.3	9.8	10.1	12.6	7.1	10.0	8.4	10.7	8.7	9.6	8.5	7.7
CIB1	30.3	38.2	32.6	29.5	38.1	37.1	23.4	22.7	33.3	27.4	36.2	34.7	39.5	42.2	37.6	31.9	36.5	32.7	31.3	34.1	40.0	34.1	30.9	28.1	30.1	23.8	33.2	33.2	29.3	38.7	28.9	34.2	36.2	34.2	36.0	29.9	40.7	29.4	33.9	24.6
CIB2	6.0	1.4	1.2	1.7	6.9	3.2	2.9	2.0	11.0	2.0	1.4	5.5	2.7	3.9	5.8	1.5	3.5	1.5	4.6	2.7	2.3	5.2	1.4	5.5	12.0	2.1	0.9	1.4	3.0	3.7	3.4	1.9	1.8	2.1	4.8	1.5	2.0	4.7	0.8	3.7
CIC	5.0	5.2	4.2	5.0	8.2	6.0	5.1	5.9	7.0	5.0	4.9	4.6	5.6	5.3	9.7	4.2	4.9	5.0	5.8	6.6	5.7	4.9	4.6	4.8	3.5	5.9	5.0	5.4	4.6	3.9	5.2	5.6	9.8	6.8	4.6	5.4	6.5	4.5	5.9	5.6
CIDEA	0.1	0.4	0.3	0.1	0.1	0.2	0.1	0.2	1.1	0.6	1.4	0.3	1.8	1.5	0.9	0.5	4.4	0.0	1.3	0.1	19.2	1.5	1.2	0.5	0.0	0.1	0.3	1.1	0.2	1.6	0.2	0.2	20.3	0.1	0.1	0.2	0.9	3.4	4.4	0.6
CIDEB	3.0	2.5	2.5	1.9	2.2	2.0	1.8	2.2	3.2	1.9	3.6	2.6	2.9	2.8	4.3	2.8	2.6	2.2	2.4	3.3	2.7	2.4	2.4	2.4	2.4	2.6	2.9	2.4	2.5	2.2	2.2	2.8	3.8	2.5	2.7	2.0	2.4	2.2	2.5	3.2
CIDEC	0.3	1.0	0.3	0.7	0.0	0.0	0.0	0.4	2.9	1.2	5.5	0.1	5.1	5.4	4.3	0.2	12.9	0.2	2.3	0.0	81.1	1.4	2.8	0.1	0.0	0.0	0.8	1.3	0.0	3.9	0.0	0.2	22.5	0.0	0.2	0.4	1.8	4.7	6.8	0.3
CILP	2.7	4.5	2.3	1.8	8.5	2.7	1.6	2.9	7.9	9.6	9.3	2.5	14.4	14.9	16.8	7.6	17.1	4.2	5.5	5.2	15.9	8.7	4.7	3.6	1.9	17.3	6.5	18.1	12.4	20.6	4.6	33.7	15.8	26.4	4.2	15.0	42.3	19.9	7.7	11.3
CINP	6.7	7.4	9.9	11.4	9.3	9.2	8.3	7.3	5.8	7.6	8.6	7.6	11.1	12.4	8.2	9.0	6.9	6.7	8.3	8.3	12.1	9.3	7.6	7.6	3.3	6.9	8.7	8.9	9.0	8.0	9.1	9.2	8.3	7.1	6.6	7.4	9.3	9.1	5.9	7.9
CIR1	8.4	9.7	7.5	9.0	11.0	10.3	9.3	8.5	11.1	9.3	10.7	13.3	13.8	11.6	17.1	12.2	11.7	9.8	10.0	11.4	10.6	10.3	11.6	11.7	9.7	9.4	14.1	10.6	8.7	10.4	10.0	10.1	15.3	9.0	10.9	10.4	9.7	8.5	12.7	12.3
CIRBP	38.9	49.1	45.2	40.1	43.0	38.3	47.0	31.7	54.3	36.4	63.8	70.1	43.8	44.7	69.4	52.4	55.6	49.7	50.4	61.4	45.6	40.8	54.0	47.2	59.2	37.2	74.1	54.2	37.4	69.2	51.4	52.6	64.4	40.6	60.3	45.7	37.3	34.3	56.1	50.8
CIRH1A	6.4	6.8	6.4	7.4	6.9	5.9	6.1	6.1	5.9	7.3	5.9	7.3	7.2	8.0	8.8	6.8	7.7	7.1	6.1	6.8	7.6	7.3	7.5	6.7	6.1	7.1	7.7	7.2	6.3	7.5	5.1	7.9	10.1	9.8	6.8	7.7	8.9	7.1	9.2	7.3
CISD1	18.8	23.3	24.1	22.1	20.2	17.2	17.9	20.1	20.0	19.3	19.2	16.9	19.1	21.3	13.1	19.2	20.5	20.5	16.2	18.1	16.8	16.5	20.8	17.2	14.9	15.9	21.7	22.5	13.8	21.5	15.4	17.6	11.3	20.8	17.3	20.0	19.1	17.1	19.9	20.2
CISD3	10.7	10.9	9.6	12.5	9.7	10.6	9.7	9.4	10.9	9.5	9.4	9.1	9.9	11.2	8.6	7.7	9.0	8.4	11.5	8.8	10.5	8.3	9.4	8.9	7.8	9.6	9.0	11.4	8.0	8.9	9.1	8.4	7.0	8.1	9.6	9.3	9.3	8.2	9.3	8.8

CISH	3.3	3.6	3.9	19.0	2.9	2.8	2.6	2.4	7.8	3.4	3.5	5.2	4.0	5.6	5.8	6.3	4.0	2.7	3.1	2.3	6.7	5.6	8.8	10.1	4.5	11.4	6.6	8.5	3.3	4.9	12.2	9.5	2.2	4.7	2.7	1.9	4.5	11.6	9.2	3.9
CITED2	35.7	30.6	27.3	26.4	38.4	18.8	74.5	22.8	26.7	27.7	28.8	32.3	31.8	32.8	32.2	53.9	31.5	33.2	36.8	31.7	30.0	40.2	25.2	31.3	51.7	34.7	63.6	53.6	25.9	38.1	23.2	26.4	56.0	25.8	31.2	48.7	45.4	31.8	43.7	60.6
CITED4	4.6	4.5	6.7	6.0	3.6	4.4	4.4	3.5	3.7	2.2	5.1	3.5	4.3	3.7	3.8	3.7	2.8	2.0	3.3	2.8	3.7	3.9	4.2	4.2	2.3	2.3	4.4	6.3	2.9	5.2	5.3	5.3	1.9	2.0	3.5	2.3	1.9	3.1	2.7	6.2
CIZ1	8.1	9.0	7.4	9.1	11.0	8.9	8.8	10.2	10.6	9.4	10.0	8.4	9.1	10.9	14.7	9.5	12.3	9.5	10.2	10.6	10.3	8.6	10.3	9.0	8.6	12.0	10.4	11.9	7.8	8.3	7.8	9.8	15.9	10.9	9.7	10.6	11.1	9.8	10.7	9.5
CKAP4	15.9	13.5	12.5	14.2	12.6	11.9	10.0	17.2	17.2	17.6	15.3	17.5	12.9	17.9	15.2	12.1	14.5	13.2	15.3	14.0	15.2	14.0	19.0	16.6	7.9	13.4	8.8	11.7	12.2	13.2	10.8	15.5	9.0	11.4	10.3	7.4	11.0	11.0	10.4	12.3
CKAP5	12.2	12.1	12.0	9.7	13.0	12.0	8.8	11.4	12.5	11.8	12.2	10.4	12.7	13.7	7.7	11.5	12.8	14.7	11.3	12.6	10.5	12.1	12.1	12.3	8.3	9.9	10.3	11.2	6.1	8.4	9.7	10.8	10.2	11.2	8.9	12.4	12.5	10.0	11.2	13.4
CKB	135.0	118.6	106.1	139.7	151.8	235.9	106.4	133.0	100.6	76.2	149.4	146.0	132.0	80.9	101.1	175.0	65.6	162.2	113.6	127.5	101.7	102.5	50.4	97.0	75.7	56.9	62.6	77.2	89.5	58.0	74.6	85.9	55.7	147.0	76.9	104.4	124.1	59.1	39.7	78.2
CKLF	1.5	1.2	1.0	1.4	2.2	1.2	1.9	1.4	2.6	1.7	1.4	0.5	2.4	1.4	3.9	1.5	2.0	1.8	2.2	3.4	1.7	1.1	1.3	2.1	0.7	1.4	1.0	1.6	2.1	1.5	1.4	2.1	5.3	2.3	0.8	1.4	1.4	1.3	1.3	1.6
CKM	1732.3	1937.7	2194.0	2387.4	1199.3	2241.2	1832.7	1524.9	1098.0	1090.7	1592.8	1367.1	1284.8	1014.4	731.6	1469.8	938.1	1306.9	1319.6	1036.0	1231.3	1335.2	1095.3	1551.9	914.1	936.5	1572.9	1395.0	611.9	1252.7	1352.9	1268.7	594.7	1052.3	1200.7	1374.8	1203.3	944.3	1054.0	1807.8
CKMT2	614.6	605.2	801.0	768.8	466.3	697.1	658.6	652.6	553.0	564.7	709.4	569.0	469.7	447.1	355.5	646.6	403.1	643.8	597.0	472.5	528.9	574.8	560.4	554.4	456.5	413.0	631.9	664.4	290.7	554.9	549.7	642.7	241.5	608.2	657.2	583.8	585.2	521.5	555.2	604.0
CKS1B	4.2	4.4	4.2	8.4	7.1	4.3	4.3	5.2	5.9	4.1	4.4	4.5	7.5	6.7	10.6	5.0	4.4	6.4	5.1	9.4	8.4	5.2	4.2	4.1	4.8	7.2	6.3	6.2	5.1	8.6	3.5	6.8	10.3	7.7	6.1	4.1	6.6	6.6	5.5	4.7
CKS2	0.5	1.5	1.2	1.9	1.4	0.6	1.6	1.4	1.9	1.1	1.4	2.2	3.2	1.4	2.3	2.1	1.8	1.9	2.5	2.6	3.8	1.6	2.0	0.6	4.0	1.2	1.0	3.2	0.7	3.1	2.1	3.2	6.4	3.4	4.2	3.9	2.8	2.9	2.4	1.3
CLASP1	10.7	11.5	10.3	7.8	13.3	11.8	8.1	10.7	11.4	12.2	14.0	12.6	11.4	13.4	9.9	12.9	13.1	14.7	12.8	13.7	12.0	12.8	14.3	14.0	8.7	12.2	14.0	14.5	7.7	9.1	11.4	11.8	13.5	13.5	12.4	11.8	15.7	12.3	14.1	14.4
CLASP2	8.1	7.1	6.0	4.7	6.7	7.6	5.8	8.4	9.0	6.9	8.7	7.4	7.2	7.6	4.6	7.4	6.5	9.6	8.0	10.4	6.8	7.6	7.7	8.0	6.0	7.0	6.6	6.5	4.3	5.8	5.3	5.4	5.8	7.6	7.5	6.2	8.5	4.4	5.8	9.2
CLASRP	5.0	6.2	6.1	7.5	5.8	5.5	5.7	5.4	7.4	6.4	5.3	6.5	6.7	7.6	10.4	5.5	7.6	5.8	5.7	7.0	5.8	4.5	6.0	6.3	7.0	7.7	7.6	7.5	5.7	7.8	7.9	8.6	12.4	7.3	7.3	6.0	7.1	6.4	7.8	6.1
CLCC1	2.9	3.6	3.7	3.9	4.3	3.2	3.4	3.6	5.2	3.0	4.0	3.6	3.5	3.9	3.6	4.0	3.5	3.6	3.8	4.5	3.8	3.7	4.2	3.9	2.7	3.4	3.8	3.6	2.6	2.8	3.0	3.8	4.3	4.1	3.9	4.1	4.1	3.8	4.1	4.3
CLCN3	19.2	10.5	10.6	10.3	12.2	9.5	9.8	11.1	16.6	14.1	14.9	9.4	9.9	15.7	5.4	12.0	12.7	13.8	13.8	15.3	10.5	13.1	11.8	12.7	6.0	7.8	8.9	10.8	4.6	4.8	8.1	9.0	9.2	10.9	15.7	12.4	12.4	7.6	8.9	17.4
CLCN4	5.9	4.3	4.9	3.4	4.7	5.3	4.3	6.3	5.7	4.8	6.4	4.6	4.1	5.0	3.2	5.2	3.1	6.3	5.4	5.1	4.1	5.5	5.3	5.5	3.7	3.6	5.7	4.8	2.6	2.7	3.9	4.3	2.4	5.4	4.5	4.3	3.9	3.3	3.8	6.6
CLCN6	4.7	5.4	3.7	5.7	5.4	4.7	3.3	5.0	5.5	4.6	5.3	5.4	4.9	5.4	6.3	5.1	5.0	4.5	4.7	6.6	4.6	5.0	4.8	5.4	4.2	5.9	4.9	5.9	3.9	3.8	4.4	4.8	7.0	5.1	4.8	4.4	4.9	4.1	4.8	5.5
CLCN7	4.8	7.1	5.7	6.4	8.6	7.2	6.1	6.1	8.3	6.8	6.7	6.9	7.6	7.7	8.3	7.4	5.7	6.4	6.3	5.9	7.3	6.5	5.7	6.8	6.1	6.5	6.7	7.4	5.9	7.3	5.9	7.4	11.8	8.2	7.2	6.0	8.3	6.2	6.7	6.0
CLDN12	8.2	6.8	7.3	5.4	11.3	7.5	7.5	5.7	6.7	8.6	7.7	7.7	5.9	6.5	4.4	8.4	4.9	7.9	7.8	8.2	6.1	7.6	6.5	6.7	5.8	7.8	7.7	7.8	3.2	3.7	5.3	5.8	6.2	6.0	8.6	6.7	6.5	5.4	6.2	7.2
CLDN5	21.4	5.8	3.6	5.5	9.1	9.4	7.3	4.6	10.7	4.2	4.9	9.3	7.4	12.4	13.9	31.1	6.3	10.8	10.3	38.4	10.5	23.7	4.1	6.1	28.4	21.7	7.9	14.5	9.1	47.9	10.2	14.3	46.1	6.9	7.0	23.1	9.3	10.3	12.5	12.4
CLDND1	12.0	7.8	10.3	11.8	10.1	9.3	9.4	10.9	11.2	12.9	10.4	10.0	12.5	11.9	11.8	12.3	9.7	11.8	11.9	13.2	10.7	8.2	10.7	9.9	8.6	14.5	12.2	11.9	8.2	13.4	8.7	12.1	19.8	16.5	14.2	9.3	14.4	10.3	14.5	10.3
CLEC11A	1.1	0.9	0.5	1.0	2.1	1.5	0.9	1.4	2.6	1.5	1.9	2.6	4.6	4.7	4.4	1.5	2.2	1.5	2.5	3.5	2.6	2.3	1.4	0.8	2.3	4.7	0.3	3.0	5.0	4.4	1.2	3.0	5.0	4.6	2.5	1.2	2.8	2.1	1.3	0.8
CLEC14A	13.7	12.3	9.0	10.0	14.5	16.5	12.0	11.2	16.7	12.3	14.0	13.7	16.0	13.6	18.3	13.3	12.0	12.3	12.9	14.6	14.7	13.9	12.7	12.7	6.7	15.5	11.5	13.5	8.3	16.8	18.2	15.1	14.1	10.9	8.6	13.5	11.7	8.8	12.5	15.1
CLEC16A	2.7	3.6	2.9	4.7	4.2	3.0	2.5	3.2	3.6	3.0	3.2	3.1	3.1	4.6	3.0	4.0	2.9	3.7	2.9	3.5	3.8	3.2	3.0	3.3	2.2	2.8	3.7	4.3	2.6	2.5	3.3	3.7	4.2	4.2	2.5	5.5	4.1	6.9	4.3	3.1
CLEC1A	0.9	1.3	1.4	1.5	0.7	1.1	1.1	1.2	1.7	1.2	1.0	1.5	2.6	0.9	2.2	1.5	1.3	1.0	1.7	1.8	1.9	1.6	1.5	2.0	2.3	5.1	1.8	2.9	2.0	5.0	4.3	3.0	5.0	1.7	1.8	2.7	2.2	1.6	4.0	1.5
CLEC2B	1.2	1.3	0.8	1.7	2.0	1.9	1.9	1.2	2.1	1.6	1.9	1.3	2.9	2.3	3.8	1.0	1.6	2.0	1.3	3.2	2.0	1.7	1.5	1.1	1.2	3.1	0.8	1.2	2.1	2.2	1.7	1.1	7.1	2.2	0.8	2.3	1.3	1.4	2.4	1.4
CLEC3B	50.8	55.8	32.2	39.9	55.4	43.2	42.5	37.1	72.3	50.0	42.6	48.5	26.0	17.6	96.3	36.7	41.7	40.6	53.9	47.9	71.5	40.2	57.6	43.2	38.2	38.1	31.3	36.1	22.9	40.6	56.5	43.4	35.6	34.4	34.9	32.8	18.1	21.0	40.4	44.7
CLGN	56.7	27.3	27.9	35.6	30.4	31.5	35.9	31.4	33.1	20.3	31.9	26.1	27.8	20.9	21.5	38.8	25.4	24.9	24.4	25.9	21.2	27.1	27.7	34.0	21.6	22.9	30.4	25.8	12.2	27.0	22.5	24.1	14.6	22.7	40.1	21.0	24.7	11.8	24.4	39.9
CLIC1	33.4	26.4	28.5	41.2	41.5	24.5	27.8	26.7	43.3	37.0	28.9	28.0	46.0	43.3	60.1	31.3	39.2	30.2	32.5	45.1	44.9	27.7	27.6	25.5	32.2	40.6	27.5	29.4	40.3	34.0	28.5	44.4	70.4	47.0	29.1	33.9	33.9	43.9	36.8	26.3
CLIC2	1.8	2.9	1.9	1.9	1.7	1.9	1.5	1.7	2.3	1.6	1.8	1.5	2.7	1.6	4.0	2.1	2.6	2.2	2.3	2.7	2.5	2.3	1.6	2.0	0.7	2.4	1.3	1.5	2.2	1.4	2.1	2.7	6.8	3.1	1.7	1.5	2.1	1.9	2.6	2.5
CLIC3	1.9	1.0	1.7	2.8	2.0	1.0	1.4	0.5	2.3	2.3	1.5	2.6	3.0	0.9	2.2	1.5	4.7	1.1	4.2	1.1	2.9	1.8	1.7	1.5	1.2	0.9	2.4	1.3	1.6	1.3	4.0	1.1	2.4	1.3	2.9	1.9	2.6	3.2	1.1	0.7
CLIC4	84.7	83.3	77.6	69.5	96.4	71.0	70.9	68.7	69.5	62.5	73.5	71.5	64.7	121.4	67.1	69.2	89.9	79.8	58.0	80.2	75.8	73.9	73.4	73.6	37.5	62.0	76.7	65.9	43.8	47.5	71.1	76.1	78.2	85.9	63.2	87.3	97.0	89.5	82.9	73.4
CLIC5	67.9	72.0	64.1	74.3	64.2	49.4	46.1	54.4	69.7	58.6	77.8	49.9	54.4	66.1	34.6	64.5	71.3	77.1	54.5	54.8	65.0	76.5	76.5	53.9	30.6	52.5	71.6	87.6	37.0	36.1	59.4	63.1	36.0	60.9	46.3	70.7	99.8	77.9	57.2	75.3
CLIC6	1.5	1.5	2.0	4.8	0.9	0.9	0.0	0.6	0.9	0.4	1.8	0.9	3.3	0.3	0.7	0.1	1.6	1.1	0.8	0.3	0.5	1.2	1.0	0.0	0.2	0.3	2.7	2.8	1.0	1.0	1.2	0.2	1.7	1.6	0.9	2.5	1.9	1.2	0.4	0.3
CLINT1	10.2	10.5	11.8	10.7	11.2	9.7	10.3	12.3	12.5	9.4	10.8	9.3	10.2	12.4	10.5	10.7	11.2	13.2	10.2	12.9	10.5	10.2	11.0	9.9	7.5	10.3	10.7	9.2	6.8	6.5	7.4	11.5	14.1	13.6	8.8	11.8	11.1	9.9	9.9	12.3
CLIP1	16.6	16.6	18.1	16.7	20.0	14.3	14.2	16.2	16.2	13.9	13.5	10.7	14.4	20.4	11.2	14.0	19.0	17.2	14.2	15.8	14.0	14.2	13.8	11.7	11.2	12.0	15.5	14.6	9.2	8.9	17.1	15.2	17.2	20.2	12.8	26.4	19.6	29.6	18.1	16.1
CLIP2	2.2	1.8	1.4	1.5	2.1	2.2	1.1	1.7	2.5	1.9	2.0	2.0	2.3	2.9	4.6	1.9	2.6	2.2	2.0	3.0	1.8	2.0	2.4	2.4	1.1	3.0	1.5	3.2	1.9	1.4	2.2	2.7	2.8	2.1	1.5	1.7	1.5	1.8	1.6	2.1
CLIP3	0.7	1.2	0.7	0.8	1.4	1.1	0.7	1.3	1.9	1.3	1.2	0.9	1.9	3.4	7.0	1.9	1.8	1.2	1.0	2.6	2.0	1.2	1.3	1.0	1.6	3.1	1.2	1.4	2.1	1.6	1.4	2.1	5.9	2.3	0.8	1.5	1.9	2.2	2.4	1.0
CLIP4	6.7	6.8	5.9	6.4	7.6	6.2	6.4	7.8	9.1	5.8	8.1	8.0	7.3	7.8	5.0	7.8	6.1	10.5	7.2	8.4	7.6	7.0	8.3	8.4	5.5	5.0	5.8	7.5	3.4	4.4	5.8	7.5	5.1	8.0	6.4	6.5	8.1	6.3	6.2	8.7
CLK1	22.7	24.1	17.6	16.7	26.8	26.4	14.3	24.4	31.5	28.9	20.4	31.6	33.9	23.0	30.3	40.4	23.6	31.8	28.7	44.1	33.8	20.4	27.9	26.1	38.7	58.5	33.5	33.8	29.9	45.2	31.6	24.4	114.3	62.0	46.9	39.9	43.3	25.5	54.5	21.0
CLK2	5.5	6.3	5.2	5.3	7.2	6.7	5.3	6.4	8.1	6.1	6.6	7.1	8.4	7.8	10.7	6.3	6.7	6.8	7.4	7.7	9.8	6.2	8.0	7.4	7.1	7.6	7.0	8.1	8.0	6.0	8.1	7.8	12.5	7.3	6.7	7.6	8.5	6.2	8.5	7.3
CLK3	9.5	9.1	5.6	7.6	11.1	10.9	7.1	8.2	10.1	8.0	7.7	8.7	10.8	9.4	12.5	9.7	7.9	7.6	8.7	10.2	9.3	7.7	8.7	8.7	8.9	12.7	11.1	10.5	8.9	12.1	9.9	9.1	15.9	11.4	8.2	8.8	10.4	8.9	13.4	10.3
CLK4	5.6	5.6	3.5	4.3	5.9	4.9	3.5	5.4	5.9	5.2	4.9	5.6	6.0	5.5	5.4	7.1	4.4	5.8	5.2	7.2	5.9	4.4	5.9	5.9	7.0	9.6	7.2	7.7	4.9	7.3	7.6	5.6	12.0	8.5	9.2	7.9	9.3	4.7	11.1	6.5
CLMN	0.9	1.4	1.2	0.9	1.6	1.4	1.0	1.1	1.4	0.9	1.1	0.7	1.0	0.9	1.3	1.3	0.9	1.2	1.5	1.3	1.5	1.1	0.7	1.0	2.6	1.3	1.6	1.1	1.0	1.7	1.4	1.5	4.3	3.3	2.3	2.2	3.2	1.4	2.5	1.1
CLMP	1.1	0.8	1.3	1.8	1.1	0.6	0.7	0.9	1.6	0.7	0.7	0.5	2.1	1.5	1.5	0.8	3.1	0.9	1.2	2.6	4.7	1.0	1.1	0.5	0.4	1.7	0.7	1.3	1.5	0.5	0.5	1.0	4.9	3.0	0.6	3.0	4.5	3.4	1.6	1.1
CLN3	3.4	3.8	3.0	4.9	4.8	3.3	3.4	3.7	4.8	3.2	3.6	2.9	4.2	4.3	6.1	4.0	3.1	3.0	3.6	3.7	4.3	3.2	3.2	3.5	2.6	2.6	3.1	3.6	2.8	3.6	3.1	4.3	6.7	3.9	2.8	3.3	3.4	2.6	3.6	3.4
CLN5	3.0	3.3	2.8	3.6	3.8	3.3	3.1	2.4	3.8	3.7	3.5	3.6	4.1	4.4	5.6	4.3	4.2	3.1	3.3	4.6	4.3	3.6	4.1	3.1	2.1	3.9	4.3	3.8	2.2	3.1	3.2	3.8	4.7	4.1	2.9	3.7	3.9	2.3	4.0	3.8
CLNS1A	18.6	17.8	16.7	18.1	18.6	19.3	17.9	18.0	21.1	18.3	20.3	19.4	21.2	23.1	23.1	19.9	18.2	22.9	16.0	18.4	18.5	18.5	20.5	19.0	14.2	17.6	21.0	21.0	13.6	21.5	14.9	22.1	21.2	22.3	21.4	19.8	22.0	19.7	22.0	19.9
CLPB	2.1	2.2	2.9	2.7	2.7	2.3	1.8	3.1	3.1	2.6	2.7	2.4	2.2	2.6	2.0	2.6	2.6	3.1	2.4	2.7	2.5	2.7	2.3	2.8	1.4	2.5	2.0	2.5	2.1	1.7	2.2	2.4	2.5	2.8	1.8	2.7	2.1	2.3	2.3	3.0
CLPP	14.6	17.9	20.1	23.2	20.8	17.5	18.4	19.5	16.3	17.2	18.7	17.0	16.8	17.0	17.1	17.3	18.1	17.4	16.6	14.0	18.4	17.1	14.6	21.2	16.6	13.9	21.2	18.5	11.9	18.8	14.4	20.7	14.8	17.4	17.2	16.2	17.0	16.7	15.8	19.3
CLPTM1	26.4	23.8	21.2	26.8	25.8	24.3	23.2	26.2	28.2	27.6	23.7	24.7	27.2	27.8	28.6	26.6	24.8	21.4	28.7	22.2	27.4	24.7	27.5	24.0	16.8	20.2	22.8	25.1	17.5	24.0	19.9	25.3	24.7	24.3	22.6	20.9	23.8	19.8	24.1	25.3
CLPTM1L	7.4	8.4	7.3	10.0	11.0	9.1	8.2	9.0	11.8	10.1	9.7	9.3	11.0	12.4	14.0	9.1	12.7	8.8	10.1	9.8	11.9	9.8	8.6	9.0	7.7	9.0	8.9	8.6	8.4	9.2	8.6	10.5	16.5	11.7	7.3	9.9	9.1	11.3	10.0	8.9
CLPX	12.4	14.4	14.9	11.8	14.8	11.8	11.0	13.3	13.6	13.6	15.3	11.7	12.6	11.4	8.6	12.5	12.9	14.0	10.6	13.1	10.8	13.4	11.7	11.6	9.8	9.4	16.1	12.7	7.1	8.9	9.3	11.9	10.1	14.1	10.2	14.4	14.2	11.2	16.5	16.7
CLSTN1	11.6	11.3	8.5	10.3	12.8	12.6	9.3	14.6	18.3	14.4	12.6	15.8	16.1	15.4	25.1	15.4	13.6	13.7	15.1	16.4	16.4	13.4	17.1	15.8	10.5	15.7	12.1	13.4	12.7	12.1	11.3	12.8	18.5	15.1	10.8	11.1	13.2	10.5	15.3	13.5
CLSTN3	1.5	1.2	1.1	2.2	1.9	1.6	1.4	1.6	3.0	1.3	1.8	1.2	3.0	2.5	6.3	1.2	2.5	1.7	1.8	2.9	3.9	2.1	1.7	1.6	1.7	2.4	0.8	1.7	2.2	1.7	1.7	2.1	11.8	2.4	1.5	1.3	2.4	1.5	1.9	1.3
CLTA	12.2	14.2	12.6	16.1	17.4	14.9	12.2	14.6	19.7	16.0	13.3	13.6	17.5	17.8	26.9	15.5	18.4	17.9	14.8	20.7	25.4	16.4	17.6	14.1	16.7	17.3	16.1	15.2	15.2	17.3	15.5	19.1	33.4	17.4	14.7	16.4	15.4	14.1	19.2	15.2
CLTB	71.9	97.3	82.8	78.8	106.6	74.0	75.3	75.4	75.6	76.0	76.0	82.5	83.9	109.7	75.9	70.2	95.8	72.3	80.0	66.4	85.3	78.8	71.9	67.0	69.5	64.3	96.2	88.8	75.0	95.1	92.4	87.9	61.6	91.1	68.9	91.3	95.9	110.9	95.0	60.4
CLTC	16.0	13.7	15.3	14.5	18.0	12.8	13.1	19.3	21.0	14.9	16.7	12.0	15.4	21.7	13.4	13.5	17.3	19.3	15.2	23.1	17.4	15.3	14.5	14.8	9.1	14.6	11.7	13.6	10.6	11.5	11.6	15.9	16.7	20.0	10.3	16.3	16.7	14.2	11.5	16.2
CLTCL1	1.3	1.8	2.0	1.6	1.2	2.2	1.5	1.5	1.9	1.8	2.5	2.9	2.7	3.6	2.3	1.7	2.4	2.1	1.6	2.3	1.9	2.1	2.2	1.6	2.2	2.1	2.5	2.7	2.2	2.1	2.4	1.7	2.8	3.8	1.7	3.1	2.4	1.9	3.4	1.6
CLU	16.2	28.0	14.7	15.8	30.7	32.6	21.5	28.0	55.9	34.6	49.5	31.2	67.9	38.8	186.9	36.1	94.5	54.9	34.6	74.9	77.9	48.2	65.7	30.7	38.4	54.5	40.8	58.9	43.2	60.4	43.3	59.1	123.2	77.6	17.2	56.0	55.3	70.8	91.4	29.5
CLUAP1	3.8	4.9	4.2	4.0	4.0	5.0	3.9	5.0	6.9	6.0	5.0	6.1	5.2	8.1	5.9	4.9	4.7	6.3	4.7	7.2	5.6	4.6	5.8	6.6	4.7	4.9	4.2	4.9	4.1	4.5	3.6	4.8	5.6	5.2	4.5	4.7	5.7	4.5	5.1	5.7
CMAH	3.2	3.1	2.4	3.7	4.7	5.0	2.9	3.6	4.9	2.4	2.7	2.5	4.9	4.5	7.5	2.3	3.5	3.0	3.2	4.9	4.5	3.4	3.6	2.3	3.0	4.0	2.6	2.2	6.2	3.2	4.7	6.0	6.9	4.4	2.3	4.0	3.6	4.4	4.5	3.4
CMAS	8.8	12.5	10.5	11.3	14.3	10.1	10.5	10.5	12.1	10.0	12.7	13.7	14.4	16.7	13.2	12.2	12.8	11.0	10.4	14.1	11.8	10.7	12.5	10.3	9.3	10.6	13.8	11.1	11.7	13.7	10.4	12.1	11.8	13.5	12.1	11.5	13.8	10.8	14.0	9.9
CMBL	4.9	3.9	2.9	2.6	4.2	4.8	3.5	4.8	3.8	2.7	4.7	3.7	4.1	4.1	3.6	3.6	2.8	5.3	3.8	5.0	4.4	4.0	4.2	4.0	2.9	3.3	4.3	4.4	2.7	3.3	2.8	2.2	3.3	4.6	4.0	2.3	4.6	2.0	2.9	4.6
CMC1	8.9	11.4	11.6	9.3	9.8	7.3	12.7	9.2	7.7	6.3	11.7	8.6	8.9	10.1	10.0	9.1	5.1	7.2	8.5	9.6	9.6	8.3	9.3	7.4	6.5	6.7	9.5	8.1	6.4	9.9	9.0	7.8	8.7	8.3	11.5	6.0	7.0	7.0	9.1	8.6
CMIP	1.9	1.7	1.7	2.6	2.5	1.8	1.7	1.7	3.9	3.2	1.7	2.3	3.7	3.0	6.6	2.7	2.9	2.7	2.9	3.1	4.5	2.0	2.7	1.7	1.2	3.3	1.9	2.6	2.4	1.8	2.6	3.8	7.8	2.3	1.4	1.7	2.1	2.2	2.4	2.3
CMKLR1	1.1	0.9	1.1	0.8	1.4	1.0	0.7	1.5	2.3	2.3	0.8	0.7	3.4	1.8	7.3	1.2	3.9	2.0	1.6	3.1	1.3	1.2	1.0	0.7	1.2	4.4	1.3	2.6	1.9	0.8	0.5	2.3	5.6	9.0	1.2	2.6	3.9	4.2	2.1	1.4
CMPK1	18.8	18.6	19.3	18.6	22.4	16.1	17.2	18.9	20.0	16.1	19.3	16.0	25.3	25.8	29.2	19.3	19.3	18.3	16.2	24.0	23.7	18.9	17.4	16.7	14.4	23.5	17.9	18.1	18.9	18.6	14.4	20.1	29.3	24.8	17.5	19.3	21.4	20.7	22.8	20.4
CMPK2	1.4	1.0	0.7	1.2	1.8	1.4	1.3	0.9	2.7	1.3	1.7	1.1	8.0	0.8	1.9	1.4	0.9	1.2	2.0	2.5	1.3	1.1	1.1	4.0	0.6	0.9	0.8	0.9	0.7	0.9	2.1	1.8	0.6	1.0	1.0	1.6	0.8	0.4	1.2	4.3
CMTM3	3.7	2.8	2.4	2.7	5.2	4.0	2.3	3.1	6.8	3.6	3.2	2.5	4.9	3.7	10.4	4.0	3.4	3.8	4.2	6.9	6.8	5.1	3.0	3.0	3.9	6.1	3.0	4.5	5.1	5.1	3.0	5.4	12.0	7.3	4.2	5.3	4.7	5.3	3.5	3.3
CMTM6	3.8	3.7	3.1	3.8	4.3	3.5	3.4	3.8	6.1	4.0	3.6	3.5	4.9	4.7	6.0	4.1	4.7	4.7	4.2	7.9	4.8	4.2	3.2	3.4	3.2	5.3	3.8	3.7	3.9	4.3	3.0	5.1	10.4	6.5	3.2	4.4	4.2	3.2	4.8	3.6
CMYA5	188.6	125.0	127.0	122.3	107.2	117.9	90.2	127.0	205.2	169.4	157.6	165.1	158.1	214.2	59.1	150.0	206.3	156.1	155.6	93.1	100.8	148.8	138.9	125.8	97.8	102.6	146.5	150.1	71.7	88.0	80.2	89.0	76.9	148.5	126.1	117.4	157.2	115.2	97.4	121.9
CNBP	79.8	111.9	87.6	71.8	92.7	93.4	77.3	77.1	79.9	81.9	88.0	83.9	86.6	94.0	81.4	94.9	84.8	91.9	74.7	75.7	79.1	78.2	90.6	78.0	69.5	74.3	115.3	96.8	57.1	89.6	83.2	92.5	94.4	92.2	94.2	92.5	97.8	87.4	118.8	85.2
CNDP2	6.6	5.3	5.8	6.1	6.6	5.2	4.7	6.0	5.9	5.5	5.1	5.0	6.4	5.5	6.1	5.4	4.9	6.3	4.9	6.2	5.8	6.0	6.5	5.9	2.9	4.3	5.4	6.2	3.4	5.3	5.9	5.6	7.2	6.7	3.7	5.9	5.4	5.6	6.6	5.0
CNIH	19.2	16.0	15.8	18.8	18.5	12.9	14.0	15.6	16.1	17.1	16.8	17.9	19.4	16.8	19.1	16.7	14.6	18.4	13.7	20.8	18.7	14.9	17.1	15.6	10.5	14.0	18.2	17.5	12.1	16.3	13.2	16.8	20.1	17.6	15.8	12.6	20.4	12.5	17.5	15.8
CNIH4	9.6	8.6	9.4	9.8	9.2	7.6	9.0	7.3	10.8	11.0	10.1	9.0	10.5	12.8	12.5	8.4	9.1	11.2	9.1	10.5	11.3	8.8	8.2	8.3	9.8	6.9	11.7	8.3	8.6	8.7	10.9	9.2	12.6	9.1	11.0	9.3	12.7	11.0	9.5	7.5
CNKSR3	3.0	3.7	4.7	2.8	4.2	2.7	2.4	2.9	3.3	4.1	3.2	3.2	3.3	6.5	6.2	2.6	5.1	5.9	3.8	5.7	3.5	4.9	3.6	3.5	3.6	9.1	5.3	4.6	3.8	4.6	5.1	6.4	8.1	8.6	8.6	5.7	6.4	7.4	3.1	3.2
CNN1	39.6	111.0	71.3	26.7	58.3	21.4	36.6	36.1	31.4	45.5	28.6	55.9	45.1	108.0	94.4	30.6	66.7	33.2	50.8	32.7	31.4	31.3	25.8	18.5	34.1	58.4	68.4	77.5	65.7	46.3	184.9	101.6	115.2	81.9	59.5	151.1	72.9	251.1	251.2	23.8
CNN2	7.6	8.9	7.3	5.2	3.9	9.9	7.1	7.6	5.0	4.3	6.3	3.5	8.2	5.7	10.1	5.5	6.9	5.2	5.3	8.1	6.7	7.2	6.5	4.8	3.2	7.9	4.9	7.1	3.3	6.1	3.6	5.4	15.1	12.7	9.2	2.7	5.1	4.5	6.7	5.8
CNN3	20.8	18.1	24.5	26.4	28.8	24.3	15.5	22.7	34.3	30.9	24.5	19.2	36.7	35.3	70.3	27.4	33.3	31.3	28.5	53.2	40.9	25.1	20.3	22.2	22.3	48.0	24.3	28.5	28.0	26.0	22.9	45.2	68.4	54.6	21.3	30.5	31.1	31.2	35.2	23.6
CNNM3	1.8	2.1	0.9	0.9	2.9	1.8	1.5	1.7	2.4	2.1	2.3	2.6	2.0	2.0	2.8	2.6	1.9	1.6	2.6	2.5	2.2	2.3	2.1	2.0	2.0	1.7	2.4	2.2	1.5	1.8	1.6	1.4	3.6	2.1	1.5	2.2	2.3	1.9	3.4	2.8
CNNM4	5.9	4.2	6.9	3.0	4.6	3.7	3.4	3.7	5.2	6.3	6.2	6.1	5.1	5.3	4.6	6.3	4.5	5.7	7.0	4.1	5.0	6.1	7.5	5.1	2.5	4.4	7.4	9.7	3.4	4.2	6.1	6.1	3.1	3.8	6.8	4.6	6.6	3.7	4.4	6.1
CNOT1	10.2	9.3	9.4	10.3	11.1	8.7	7.8	12.3	12.1	11.2	10.5	8.8	9.4	11.1	6.7	10.9	11.4	10.7	10.2	11.9	10.4	10.6	11.3	11.6	6.4	8.8	8.6	9.9	5.3	6.4	8.0	8.6	14.3	11.5	8.7	11.8	13.6	8.5	9.6	12.3
CNOT10	3.6	3.5	2.4	4.0	3.5	3.1	2.9	3.2	3.4	3.0	3.0	3.5	3.9	3.7	3.9	3.0	2.9	3.2	2.8	3.8	4.0	2.7	4.0	3.7	2.6	3.9	3.1	3.1	2.9	3.3	2.7	3.5	5.3	3.9	3.1	3.3	3.8	2.1	3.7	3.5
CNOT2	6.3	5.6	6.4	6.6	6.5	7.0	5.1	6.5	6.7	6.5	6.5	6.0	7.9	6.8	8.0	6.2	5.7	7.1	6.3	8.4	7.2	5.9	6.7	6.4	5.0	6.7	9.2	7.8	5.3	5.7	6.0	7.1	10.7	7.6	6.3	7.8	8.4	7.0	8.1	7.6
CNOT3	4.1	4.3	3.4	5.3	4.9	4.7	3.8	5.5	6.2	4.9	4.4	5.0	5.6	5.3	8.9	5.6	5.9	4.7	5.2	6.2	5.8	4.7	5.8	5.3	5.2	5.9	6.4	6.1	4.3	7.2	4.9	5.7	9.6	6.1	5.4	4.9	6.7	4.6	6.7	5.8
CNOT4	5.7	5.4	4.5	5.0	5.5	5.0	4.2	5.3	5.6	5.9	4.4	5.8	5.4	5.3	5.5	5.4	6.2	4.6	5.2	6.3	5.7	5.6	7.0	5.7	4.7	5.4	6.7	6.0	3.5	4.2	4.4	4.3	7.3	5.2	4.7	6.0	7.5	4.6	6.4	7.0
CNOT6	2.3	1.7	1.7	1.7	2.1	1.7	1.5	2.1	2.6	2.2	2.0	1.8	1.8	2.7	1.8	1.9	2.3	2.8	2.3	3.1	2.2	2.1	1.9	2.2	1.9	2.2	1.9	1.8	1.5	1.5	1.8	2.2	2.5	3.2	2.0	2.3	2.7	2.1	2.5	2.8
CNOT6L	2.2	1.5	1.6	1.4	2.5	2.0	1.4	1.6	2.0	1.9	1.7	1.4	1.6	2.4	1.8	2.4	1.7	2.0	2.0	3.1	1.9	1.6	2.0	1.7	1.5	3.9	1.8	1.7	1.3	1.8	2.1	2.1	5.8	2.7	1.9	2.4	2.9	1.5	2.5	2.2
CNOT7	11.7	11.7	9.1	10.2	11.2	11.8	9.6	9.3	13.5	10.3	13.5	11.1	11.0	13.2	10.5	10.8	11.7	11.5	11.1	14.5	13.4	10.5	13.0	11.3	8.4	10.1	11.5	11.3	8.3	9.6	10.1	11.2	12.7	12.6	11.7	10.4	11.8	10.7	11.3	10.8
CNOT8	6.1	7.4	5.3	7.7	8.5	6.8	5.0	7.1	7.7	7.4	6.8	6.6	8.6	8.4	9.5	8.2	8.6	6.5	8.5	7.7	8.8	6.3	6.5	7.2	5.8	8.6	7.7	8.3	5.8	7.5	6.3	7.2	14.4	9.6	6.9	8.3	8.9	7.4	9.9	7.3
CNP	3.0	3.6	2.5	3.5	3.7	3.1	2.4	2.9	4.2	3.1	2.8	3.1	5.2	3.7	5.3	2.8	3.3	3.1	3.0	4.7	3.7	3.0	3.4	3.3	2.6	3.2	2.8	3.0	3.1	2.9	2.5	3.6	4.5	4.3	3.1	2.8	2.9	3.0	3.3	3.3
CNPPD1	14.9	17.7	14.1	16.6	15.9	12.7	9.6	13.5	16.4	14.3	17.2	16.6	17.0	19.7	19.9	13.4	16.3	15.1	16.5	18.6	17.7	15.3	14.7	16.2	9.9	15.1	15.3	16.7	13.6	14.9	15.6	14.3	14.7	16.3	12.4	15.2	17.5	11.6	15.4	14.1
CNPY2	6.8	6.8	5.9	11.0	10.1	8.2	6.8	8.0	10.8	8.3	8.4	9.0	12.6	10.1	14.2	7.7	9.0	8.4	8.5	13.3	8.6	8.5	8.6	7.5	7.7	7.9	8.6	9.2	8.6	8.1	7.8	10.8	13.3	11.5	9.6	6.9	10.8	7.9	8.6	6.8
CNPY3	6.4	5.5	3.8	5.4	5.9	6.2	6.6	5.8	8.4	5.5	4.7	5.2	8.3	8.4	10.5	5.6	7.1	7.3	5.8	7.9	7.7	5.1	5.5	6.2	7.1	7.0	5.8	5.0	5.9	6.9	5.7	6.5	13.8	7.6	6.6	5.1	6.8	4.8	6.2	5.2
CNPY4	1.6	1.3	1.4	1.6	1.8	1.8	1.7	1.7	1.8	1.3	1.5	1.6	1.8	2.1	4.6	1.4	1.4	2.3	1.8	2.7	1.8	2.0	1.7	1.3	1.6	2.0	0.8	2.1	2.1	1.5	1.5	1.6	3.3	2.6	1.7	1.3	1.8	1.0	1.4	1.7
CNRIP1	3.4	2.6	1.9	2.3	3.6	3.5	2.3	2.6	3.6	2.7	3.5	2.7	4.3	3.2	10.6	3.6	3.3	4.0	4.0	7.4	7.7	3.4	2.9	2.7	2.7	4.4	3.0	2.7	4.8	3.5	2.8	2.9	9.7	4.3	3.1	3.5	4.1	3.2	3.7	3.3
CNST	6.1	3.8	4.0	3.5	5.1	4.1	4.0	4.8	4.3	3.5	3.7	2.4	3.4	4.1	3.3	4.8	3.0	3.3	3.2	4.9	3.6	4.0	3.4	3.3	4.5	4.1	5.3	4.4	2.4	3.5	3.2	4.2	7.9	6.9	4.7	4.8	5.0	4.0	6.3	4.8
CNTFR	1.3	0.9	0.3	0.2	0.4	1.4	0.7	0.8	0.7	0.3	0.8	0.4	2.5	1.0	7.1	0.3	1.5	0.7	0.8	1.7	10.1	0.7	0.5	0.4	1.8	1.2	1.0	0.8	0.7	2.1	1.2	0.7	6.7	3.3	1.0	1.5	1.4	2.8	1.4	0.2
CNTNAP1	1.3	1.3	0.9	6.9	1.9	1.6	1.1	1.3	2.8	1.2	1.5	1.7	2.1	2.3	3.7	1.6	1.7	1.7	1.7	3.0	2.1	1.6	2.0	1.8	1.5	2.1	0.9	1.5	2.4	1.4	2.2	2.2	2.3	1.7	1.2	1.4	2.1	1.4	1.7	1.5
CNTNAP3	5.7	0.8	0.8	0.7	1.9	1.3	1.2	1.5	3.3	1.6	1.1	1.4	0.3	0.3	0.4	1.5	0.4	1.0	1.1	0.6	0.7	1.4	1.0	2.2	1.1	0.7	0.7	0.5	0.3	0.4	0.5	0.9	0.5	0.7	1.1	0.4	0.6	0.3	0.5	4.1
CNTROB	2.4	2.3	1.7	2.2	2.6	2.8	1.9	2.1	3.1	2.4	1.9	2.3	2.3	3.0	3.7	2.6	2.3	2.8	2.5	3.7	2.5	2.1	2.5	1.8	2.4	3.0	2.9	3.0	2.3	3.1	2.5	2.8	4.3	3.2	2.7	1.9	3.1	2.7	2.3	1.4
COASY	6.4	7.4	7.0	8.0	7.6	9.8	6.2	7.9	7.6	6.8	8.4	6.7	9.4	10.4	9.2	8.7	6.9	7.3	7.3	8.1	9.5	6.5	6.2	7.3	6.9	5.7	6.1	9.1	5.7	8.7	7.1	8.1	8.4	7.8	6.9	7.5	8.3	7.1	7.3	6.5
COBL	5.6	5.7	4.7	8.4	8.0	5.1	4.8	7.4	6.9	7.7	7.0	6.7	7.8	13.7	5.5	7.7	10.6	7.5	6.1	5.9	5.6	7.3	7.4	7.1	4.7	6.5	7.4	9.2	5.4	4.6	4.7	6.2	5.2	9.1	5.3	7.3	9.4	7.4	7.0	7.0
COBLL1	2.7	2.7	2.4	3.0	4.1	3.4	2.1	3.1	4.4	2.9	2.3	2.2	2.1	2.3	3.1	2.7	2.9	2.9	3.0	6.0	3.5	2.9	2.9	2.5	2.8	5.0	2.2	2.2	1.9	2.3	3.3	2.2	4.1	3.0	1.9	2.4	3.1	2.5	2.7	4.7
COBRA1	12.4	11.2	8.9	12.6	12.0	10.9	11.3	10.5	12.0	10.6	12.0	12.4	12.4	15.0	15.3	10.3	10.3	10.8	12.2	10.9	11.4	10.4	11.3	11.1	10.2	10.8	12.1	12.0	9.5	11.9	11.2	9.6	13.2	12.4	13.8	10.7	13.0	11.6	12.6	9.7
COG1	7.8	8.8	6.3	8.4	8.3	6.9	6.0	7.6	7.9	7.5	9.3	8.1	8.2	9.7	8.5	8.1	7.8	7.4	8.8	6.8	8.3	8.5	8.8	8.1	5.1	7.5	10.4	8.2	5.4	8.1	8.8	8.3	7.6	7.1	7.3	7.7	9.3	7.3	8.2	9.3
COG2	7.6	5.7	5.8	6.6	6.8	6.1	4.6	6.6	6.1	5.5	6.4	5.2	6.8	6.8	5.2	5.0	5.4	6.0	5.5	6.8	5.7	6.0	6.0	6.4	3.3	5.5	5.9	5.8	4.7	4.0	4.5	4.7	5.6	5.1	5.0	5.0	5.5	4.0	4.7	6.1
COG3	3.3	4.5	3.5	4.4	4.4	3.5	2.9	3.9	4.1	3.3	3.4	3.4	3.4	5.4	3.4	3.3	4.4	4.2	3.5	4.6	4.4	3.7	4.1	4.3	3.4	3.7	4.1	4.0	2.7	3.6	3.6	4.2	5.9	4.5	3.6	4.1	4.4	4.1	4.0	4.4
COG4	11.4	9.5	7.4	8.9	11.9	11.7	7.6	10.2	12.1	10.6	12.1	11.2	14.6	11.5	12.7	9.8	10.7	10.3	11.3	11.6	13.2	9.9	10.9	11.2	8.6	9.4	12.9	11.6	9.5	12.6	10.0	7.8	12.5	10.9	10.9	9.9	12.1	8.7	10.6	11.2
COG5	7.3	7.5	6.5	6.3	5.6	6.1	5.5	6.2	7.4	7.0	8.0	5.6	6.3	9.6	5.3	5.9	7.5	7.4	7.6	7.6	7.0	7.7	8.2	7.0	3.8	7.4	8.0	9.8	4.3	4.5	6.1	5.6	6.0	6.6	7.6	5.6	7.9	6.0	6.8	8.6
COG6	3.6	4.0	2.4	4.1	3.5	4.1	3.4	4.0	4.2	2.6	4.2	4.4	3.7	5.0	2.9	4.2	4.1	5.1	3.7	5.7	3.6	3.3	4.3	4.3	2.0	3.1	3.5	3.7	2.6	2.2	3.4	4.0	3.9	3.9	3.1	3.2	4.0	3.6	3.7	4.9
COG7	3.4	3.5	2.7	3.6	3.4	3.9	2.7	4.1	4.1	3.6	3.7	3.9	4.4	5.0	5.0	3.5	3.5	3.7	4.8	5.0	3.9	3.6	3.3	4.4	3.4	3.6	3.9	4.1	4.4	3.9	3.2	3.3	4.6	4.3	4.5	2.9	3.9	2.8	3.3	4.5
COG8	3.3	4.1	3.2	3.5	4.7	3.6	2.8	3.9	4.9	3.9	3.6	4.0	3.8	4.5	4.7	3.5	4.3	3.6	4.2	5.0	4.0	3.9	3.9	4.1	2.9	3.3	3.7	4.7	3.6	2.7	3.0	4.0	3.8	3.9	3.8	3.7	4.0	3.3	4.4	4.9
COIL	2.9	3.0	2.2	2.8	2.7	2.4	2.2	2.8	3.5	2.5	2.9	2.6	2.2	3.3	2.8	2.5	2.3	2.7	2.4	3.5	2.4	2.8	3.0	2.3	2.0	2.1	3.2	2.9	2.1	2.0	2.4	3.1	3.3	2.8	2.6	2.0	3.4	2.5	3.1	3.4
COL12A1	5.1	2.9	3.1	4.1	5.7	4.2	3.3	4.8	9.4	9.2	8.3	3.0	8.1	10.6	9.9	5.4	8.7	6.5	7.5	16.5	11.1	8.7	7.1	2.6	3.9	13.9	3.5	7.2	10.2	5.7	3.2	10.0	8.3	16.2	3.7	10.7	16.5	7.9	5.2	8.2
COL14A1	1.2	1.8	0.9	0.8	3.4	2.8	1.0	2.6	7.6	7.0	7.9	2.2	19.5	7.9	29.7	3.6	11.8	6.3	6.2	27.2	4.9	9.8	2.5	2.2	4.3	24.0	3.4	8.0	16.1	5.1	1.6	6.6	33.1	27.0	2.0	10.0	11.1	9.3	6.1	4.2
COL15A1	12.0	17.3	13.6	17.4	24.0	13.3	8.6	20.0	25.0	14.5	29.0	11.9	26.4	10.8	40.5	10.0	12.3	21.7	15.6	35.9	28.3	24.6	15.2	10.7	12.1	30.1	18.6	19.6	27.2	19.9	13.2	18.0	16.8	26.6	16.7	9.4	25.5	9.9	11.6	19.7
COL16A1	1.8	2.7	1.9	1.1	5.3	3.7	1.7	3.4	6.3	4.6	4.9	6.4	10.4	10.8	20.4	4.0	8.4	4.9	5.3	13.9	6.6	4.5	4.4	4.5	6.4	9.8	2.7	5.6	11.4	6.5	4.2	7.4	10.9	15.9	3.7	5.6	8.2	7.6	3.8	3.2
COL18A1	10.6	13.4	13.3	11.2	29.5	13.0	8.4	10.0	18.5	13.7	13.7	20.4	17.4	21.0	39.9	12.4	16.2	13.7	14.9	24.4	21.9	11.4	11.6	11.9	18.1	27.1	10.7	13.8	21.6	18.0	13.9	15.1	31.6	30.9	13.7	18.2	19.0	16.6	15.2	10.1
COL1A1	5.9	8.4	5.9	9.0	21.2	10.4	4.6	9.2	21.0	16.6	25.2	19.0	58.6	75.0	98.1	10.0	30.8	16.4	14.8	51.1	55.0	17.4	17.0	15.1	7.8	71.1	5.4	24.7	63.2	13.8	11.7	41.5	107.5	50.5	7.3	15.2	77.3	24.1	10.0	7.6
COL1A2	14.0	18.8	10.6	16.4	38.1	22.6	12.9	28.3	46.8	36.4	53.9	29.6	115.2	121.5	186.8	28.0	51.6	34.4	42.2	111.6	104.9	40.9	32.9	32.1	27.6	116.9	12.1	53.1	122.6	41.4	15.0	64.2	163.4	111.2	17.9	39.0	110.7	54.0	29.3	22.6
COL21A1	7.2	6.7	8.1	2.9	7.5	4.9	4.4	4.0	8.8	10.2	10.6	14.5	11.9	9.3	8.7	8.8	10.8	11.7	10.7	8.4	8.1	8.6	13.8	7.8	6.9	11.9	13.9	14.5	5.2	5.8	9.3	11.0	9.1	9.0	12.4	11.6	10.1	7.4	16.7	10.8
COL23A1	4.9	6.2	2.7	3.9	8.5	2.7	3.2	7.3	7.3	5.5	5.1	5.2	3.9	4.4	3.8	5.8	5.8	3.0	4.3	2.6	7.1	5.3	6.5	5.4	5.6	4.3	3.5	3.1	3.6	5.0	4.2	4.7	5.0	3.6	3.8	4.0	5.3	4.4	6.3	5.8
COL27A1	2.6	3.1	3.8	5.2	5.2	3.6	5.0	3.3	3.1	2.0	2.7	2.6	2.1	2.5	4.4	2.2	2.4	3.6	3.0	4.3	2.1	2.9	3.3	2.1	2.3	2.4	3.0	3.5	3.4	3.4	5.8	4.6	3.3	3.6	5.9	3.0	3.9	3.2	4.2	3.1
COL3A1	12.5	18.4	11.5	17.8	54.4	20.5	14.2	21.6	37.9	35.3	52.4	33.3	147.0	140.2	126.9	27.5	53.8	36.2	39.6	105.0	109.1	40.1	25.2	27.7	24.8	134.5	12.9	52.2	126.4	31.0	16.5	61.0	166.8	106.6	16.9	36.8	191.2	55.6	25.4	20.2
COL4A1	16.3	24.5	24.9	34.0	37.9	21.1	18.6	21.2	24.3	29.9	26.3	23.6	28.2	30.9	33.5	23.1	34.3	28.0	27.5	37.1	55.7	21.7	21.5	22.2	21.9	44.8	33.2	30.3	20.9	22.4	23.6	30.7	61.0	57.5	26.5	36.9	50.2	44.7	49.9	20.3
COL4A2	17.3	23.4	26.3	37.0	37.2	19.2	20.9	22.4	28.9	25.7	28.6	28.4	26.2	34.0	47.7	24.0	28.9	24.8	26.0	34.5	54.0	27.4	26.2	20.5	24.6	39.0	31.0	30.2	22.5	26.6	26.9	30.5	54.7	44.8	25.8	31.9	42.0	46.0	43.9	21.7
COL4A3	1.2	1.3	1.2	1.1	2.2	0.7	1.0	1.6	0.9	0.5	1.1	0.5	1.2	0.7	1.8	1.3	0.4	0.7	0.9	3.3	1.2	1.1	0.7	0.8	1.8	1.3	1.7	0.6	0.8	1.2	0.8	1.3	1.7	2.5	1.3	2.0	3.2	2.0	2.4	1.5
COL4A3BP	5.4	5.0	4.2	4.1	4.7	4.4	3.3	5.1	6.4	5.2	5.3	4.7	5.6	6.8	4.2	4.9	6.9	6.7	5.6	7.8	6.4	5.6	6.3	6.2	3.2	4.9	5.2	6.3	3.1	3.8	4.3	4.5	7.8	7.4	4.2	5.8	8.4	4.5	5.2	6.4
COL4A4	1.5	1.5	1.5	1.5	2.6	0.9	1.5	1.9	1.0	0.6	1.2	0.5	1.8	1.0	2.2	1.3	0.5	1.1	1.4	3.6	1.9	1.4	0.9	0.8	2.0	1.4	2.1	1.1	1.1	1.5	0.7	2.2	4.2	4.0	1.6	2.7	5.7	2.5	3.6	2.0
COL4A5	0.7	1.0	0.4	0.7	2.7	1.4	0.5	1.7	1.6	1.8	2.6	2.4	2.9	2.0	3.1	2.0	2.1	2.4	2.2	3.7	1.5	1.7	1.5	2.0	1.4	2.8	1.9	1.4	2.0	2.1	1.5	1.6	1.9	3.6	2.6	1.2	2.9	1.1	1.1	1.8
COL4A6	2.1	1.6	1.6	1.2	3.0	2.1	2.1	1.8	1.3	1.4	3.3	1.7	2.2	0.8	1.9	2.3	1.4	2.1	2.0	2.3	2.1	2.5	2.0	1.8	1.3	1.6	2.1	2.2	0.8	2.0	1.8	1.4	1.3	2.5	3.2	2.1	2.4	1.4	2.0	2.2
COL5A1	2.3	3.2	2.8	3.5	6.9	3.8	3.7	4.1	6.5	4.1	5.9	4.3	7.4	10.6	15.3	3.7	4.7	4.9	6.0	12.4	12.2	6.5	4.9	3.5	3.5	11.8	2.9	5.8	10.4	4.6	4.0	7.7	8.6	10.2	5.5	4.5	9.6	5.6	3.7	4.1
COL5A2	2.5	3.2	3.3	3.3	7.6	3.1	3.8	4.1	4.8	4.4	4.9	3.2	8.5	10.2	9.8	4.3	6.2	4.7	4.8	10.7	10.9	4.3	3.3	3.1	4.5	10.9	4.6	5.8	7.3	4.8	2.7	6.3	19.0	14.2	4.9	6.3	14.7	7.0	6.2	3.7
COL5A3	7.4	10.8	8.3	7.5	11.4	10.1	5.3	7.9	6.9	4.5	5.7	6.2	4.2	5.9	15.7	5.2	5.8	5.1	5.8	10.7	8.3	5.2	6.3	3.8	4.1	5.5	11.7	6.0	5.4	8.7	13.1	9.3	8.6	5.9	11.5	5.7	10.3	12.2	10.6	4.6
COL6A1	55.1	48.3	53.8	68.2	91.1	64.5	57.3	68.6	69.1	44.9	69.3	38.6	82.5	67.4	166.6	46.2	51.4	49.2	56.0	98.9	93.2	65.3	53.7	40.1	55.6	85.7	57.5	74.5	81.1	74.8	66.9	81.0	128.6	98.6	64.2	64.5	104.1	72.6	65.7	60.7
COL6A2	54.1	51.0	53.8	54.2	113.0	73.4	50.8	60.8	93.1	57.6	72.1	50.1	97.5	86.3	287.7	55.2	62.1	37.4	63.6	127.1	123.0	75.7	59.9	50.0	82.8	123.6	58.3	85.7	116.3	95.6	60.1	90.9	187.1	93.3	69.0	88.0	109.6	93.2	85.7	64.1
COL6A3	13.5	18.5	16.6	21.2	32.2	20.7	16.7	24.0	18.4	12.2	18.0	7.1	30.4	29.7	32.4	18.6	22.7	16.8	13.8	25.3	34.3	19.5	16.9	11.3	16.2	33.8	21.4	23.0	30.9	17.7	10.5	28.3	80.9	47.6	16.6	34.3	72.7	42.3	36.6	16.8
COL7A1	2.4	2.1	2.4	1.8	4.2	3.0	3.7	2.2	3.2	3.1	2.8	2.3	2.6	3.7	2.4	2.6	3.2	3.9	2.3	2.3	2.3	2.5	1.8	1.7	2.9	1.6	3.9	3.4	1.8	3.6	4.0	2.5	2.8	4.3	2.5	2.0	3.3	2.3	3.3	1.9
COL8A1	2.5	4.2	2.4	2.1	5.2	3.2	2.1	5.2	8.6	7.7	6.9	2.6	7.9	11.3	14.3	7.9	9.9	7.0	8.9	17.8	11.3	6.1	4.3	4.2	2.1	13.8	3.8	5.0	6.5	2.9	1.9	8.0	8.0	17.6	2.9	9.1	10.5	9.5	6.3	5.4
COLEC11	2.0	1.4	0.9	0.3	3.0	2.2	1.3	1.3	3.2	1.0	2.1	4.0	3.3	2.9	10.5	0.8	1.8	2.4	1.8	8.6	2.8	1.5	1.4	3.7	3.9	2.1	1.5	1.9	2.8	3.0	2.3	1.6	6.4	4.2	1.7	2.0	1.8	1.1	1.1	2.0
COLEC12	3.9	5.2	3.9	2.5	7.4	6.6	3.5	7.0	7.9	4.6	5.3	2.7	7.6	2.9	12.1	6.0	6.9	7.8	7.1	10.5	8.0	8.1	4.8	3.0	3.1	7.6	7.0	9.4	4.1	3.7	1.7	4.2	18.3	7.9	5.1	7.1	11.5	4.5	6.6	7.6
COLQ	1.3	2.3	1.9	3.0	3.1	2.2	0.4	6.7	8.1	8.4	2.3	18.6	1.6	12.2	7.0	3.8	8.4	9.7	6.8	11.6	6.7	3.5	6.1	13.8	5.5	7.2	2.1	4.5	7.3	2.3	5.7	16.3	1.8	7.2	2.6	5.5	4.9	8.2	1.5	1.4
COMMD1	18.9	18.9	17.1	17.5	19.1	16.3	17.4	16.2	17.9	15.5	20.1	18.2	19.9	25.6	22.1	21.1	19.6	21.1	17.2	18.0	17.5	18.3	18.6	18.1	15.9	16.9	26.1	20.4	18.5	25.5	25.5	25.4	16.8	21.4	21.0	21.0	20.3	22.9	21.6	20.6
COMMD10	7.4	7.6	7.7	9.3	9.5	10.8	7.3	9.0	8.7	8.5	10.0	10.6	9.2	11.0	7.8	10.0	7.7	9.5	7.6	10.5	8.9	9.6	9.1	10.8	6.2	9.1	7.0	9.4	6.3	8.8	6.8	10.1	8.2	9.3	8.8	8.3	10.8	8.8	8.8	10.0
COMMD2	2.2	2.6	2.3	2.3	2.0	2.3	1.5	2.4	2.4	2.2	2.0	2.5	2.4	3.4	2.6	2.5	2.4	2.9	2.6	3.0	2.5	2.4	2.8	1.9	1.5	2.0	3.0	2.3	1.6	2.1	2.4	2.7	2.6	2.6	2.3	2.5	3.5	2.3	2.2	2.7
COMMD3	25.7	25.1	25.4	24.5	21.4	22.6	24.0	22.5	24.7	25.5	33.3	27.9	23.8	24.7	22.6	25.3	23.0	27.0	22.3	24.9	23.9	25.8	25.3	27.0	16.9	20.9	29.9	25.9	16.6	24.2	24.5	24.1	21.1	24.6	23.1	21.7	26.4	17.1	22.9	24.0
COMMD3-BMI1	3.0	3.2	1.4	2.3	3.2	0.7	2.2	2.9	2.9	2.8	3.5	3.3	4.5	3.9	5.0	3.6	3.3	3.2	4.3	6.1	3.4	2.7	3.0	2.9	1.8	3.6	3.2	2.7	3.8	3.3	3.9	5.0	5.6	5.0	4.3	2.8	1.4	2.4	3.6	2.4
COMMD4	5.9	8.6	7.0	7.4	12.1	9.4	8.7	7.2	8.6	6.5	10.3	11.5	8.0	9.7	9.8	7.0	7.9	7.4	6.7	10.1	7.5	8.2	8.2	9.1	8.4	7.4	8.6	11.5	7.6	11.6	7.0	9.5	11.5	8.3	7.8	8.7	8.4	8.7	8.8	7.4
COMMD5	4.8	5.2	3.2	4.7	5.1	4.4	3.8	4.7	6.1	3.8	5.7	4.8	4.9	7.0	6.7	4.3	3.6	4.8	4.4	5.8	5.3	5.1	3.8	4.1	4.3	4.3	4.5	4.3	3.6	6.0	4.7	5.4	6.4	4.9	4.1	3.7	3.7	3.7	4.2	4.1
COMMD6	10.1	9.3	8.7	7.1	8.7	6.6	7.9	10.8	11.6	9.6	11.2	10.8	13.1	11.3	15.4	9.7	10.1	12.3	11.8	10.9	11.2	9.4	14.4	9.7	9.0	11.5	8.9	11.5	10.2	15.4	10.6	12.8	14.6	13.1	12.9	9.7	12.0	8.4	12.3	9.9
COMMD7	10.7	10.3	9.0	12.2	13.5	9.6	9.1	9.9	9.2	9.9	10.2	11.0	12.0	14.6	10.1	11.8	9.2	9.9	8.8	8.5	10.7	9.2	10.7	10.5	8.3	10.0	10.1	9.2	8.0	11.0	10.0	10.4	10.7	10.1	13.1	10.9	11.1	8.7	11.4	10.0
COMMD8	4.2	5.3	4.0	3.6	4.6	4.7	3.8	4.2	6.2	4.4	3.9	5.3	6.0	8.2	5.8	5.8	5.1	6.3	4.0	5.1	6.0	3.7	5.8	6.5	3.0	2.9	1.8	6.4	3.2	4.6	5.9	6.3	2.4	5.9	2.1	5.1	4.9	4.4	4.5	5.2
COMMD9	4.8	4.4	4.9	4.7	4.4	4.7	4.5	4.1	4.8	5.0	5.4	5.0	5.9	4.3	4.8	5.3	4.4	4.2	4.5	4.8	5.8	4.6	4.4	5.1	3.9	3.6	5.3	5.7	3.9	4.6	4.0	3.9	4.2	3.7	4.1	3.8	4.0	3.4	3.9	5.2
COMP	0.1	0.0	0.0	0.0	0.5	0.9	0.0	0.2	8.4	7.6	1.0	1.4	13.3	53.4	18.5	1.4	24.9	3.1	0.9	11.8	5.6	3.2	0.6	1.2	0.9	12.9	0.0	1.4	13.4	0.9	0.0	4.1	7.2	25.6	0.1	2.5	0.6	8.7	0.2	0.4
COMT	7.6	9.6	11.7	9.9	12.3	11.6	9.7	9.0	13.2	15.0	12.2	12.3	19.0	20.3	19.9	14.6	18.1	12.0	14.4	13.4	15.5	12.2	12.8	12.4	8.9	12.6	13.1	15.9	14.4	14.7	15.4	16.2	13.5	14.4	12.6	14.5	15.9	14.6	16.7	9.4
COMTD1	10.7	9.0	9.0	8.5	9.8	6.8	6.5	4.9	5.0	4.3	5.5	3.4	5.0	5.3	4.0	6.7	4.0	3.8	5.2	3.7	5.8	5.8	5.1	4.4	2.6	3.4	5.2	8.4	5.8	6.0	7.7	8.9	4.6	4.9	6.9	6.4	6.2	4.9	5.5	5.6
COPA	17.4	19.5	17.4	17.6	20.0	15.5	15.2	18.2	22.4	24.5	21.7	25.1	22.1	19.1	23.2	21.7	24.9	25.2	21.3	24.5	24.6	23.5	23.4	24.5	13.0	21.8	23.9	24.2	15.6	16.0	18.2	20.9	25.2	27.8	17.6	25.7	26.1	29.3	28.3	22.7
COPB1	13.0	13.1	13.2	15.2	17.2	11.7	12.2	15.2	16.9	15.2	13.6	12.9	16.0	19.6	15.1	14.9	17.5	15.4	13.8	19.7	15.6	14.3	14.6	14.2	9.9	16.7	13.3	15.4	11.6	12.4	10.4	16.1	21.5	20.1	11.6	15.3	20.1	13.6	15.2	14.7
COPB2	17.0	15.8	15.8	18.8	17.7	15.6	15.2	20.3	22.3	18.9	20.0	16.9	21.9	24.4	19.5	19.0	20.1	21.8	17.3	26.3	20.7	21.0	18.0	19.1	13.4	18.5	18.5	16.7	14.5	18.9	14.0	20.9	21.6	26.8	15.7	20.3	21.2	19.7	19.9	19.1
COPE	30.8	28.8	26.8	32.9	35.5	29.3	27.7	26.2	31.4	28.8	32.0	33.7	30.2	33.7	33.5	26.5	32.6	28.5	34.6	30.9	32.6	28.5	26.7	29.2	26.8	25.3	29.5	36.1	29.3	33.8	28.5	33.1	31.9	30.9	29.3	32.3	31.0	33.6	29.0	22.4
COPG	16.3	19.1	15.6	19.1	21.8	16.8	13.5	21.5	22.3	21.6	20.8	24.1	22.4	24.8	25.5	21.1	19.6	21.2	20.5	24.6	24.8	21.1	18.6	24.1	13.7	22.7	23.3	23.9	19.2	20.4	16.7	22.1	21.5	24.8	16.2	20.7	22.9	22.5	20.3	20.2
COPG2	4.6	4.4	3.2	4.5	4.1	4.1	3.9	3.5	5.5	4.2	5.1	4.1	5.0	5.0	4.8	3.7	4.3	5.6	3.7	6.6	3.1	5.0	4.3	4.7	3.2	5.0	3.4	4.7	3.3	4.3	4.2	4.3	4.8	5.7	2.8	4.3	4.1	3.0	4.2	4.2
COPS2	10.8	12.1	11.1	11.9	11.6	10.7	11.2	11.2	11.8	12.0	13.3	10.9	12.5	14.1	11.1	12.4	11.6	12.5	10.1	12.6	12.3	11.0	12.7	10.6	7.3	11.5	13.7	12.1	6.9	9.1	11.3	12.9	13.7	11.9	10.6	12.7	13.3	11.9	13.7	12.5
COPS3	20.2	21.9	20.0	27.0	21.8	20.5	18.6	22.0	19.4	22.4	21.0	20.6	25.3	22.7	16.1	22.2	18.7	18.4	19.4	17.4	23.1	19.0	23.5	17.2	12.9	17.8	22.6	20.4	11.5	19.9	15.7	21.0	18.1	17.2	17.9	19.0	22.6	18.1	23.0	21.5
COPS4	22.0	18.3	17.6	17.6	18.3	20.1	14.4	16.4	21.9	19.0	23.4	21.7	20.8	22.9	20.6	21.5	19.2	23.2	18.2	19.6	20.4	19.3	20.8	21.9	14.8	18.8	23.1	19.3	13.8	19.7	15.6	21.5	14.7	22.5	17.6	19.2	20.8	20.4	20.3	21.1
COPS5	36.3	36.7	41.2	36.9	37.1	40.2	41.5	33.5	31.3	28.6	36.6	32.1	33.1	31.1	27.0	41.3	22.6	32.5	31.4	29.2	33.7	30.9	30.6	30.7	25.7	20.7	42.8	35.6	20.8	32.6	32.4	39.9	24.0	29.9	37.7	30.8	37.2	31.0	33.3	35.6
COPS6	30.5	30.4	27.2	31.6	34.3	31.4	32.4	31.0	31.6	26.9	32.2	33.4	32.6	32.2	35.4	31.2	32.8	30.0	33.3	32.0	32.6	28.8	35.1	31.8	25.0	28.4	42.0	30.2	23.0	36.9	33.5	29.7	29.4	26.3	33.7	26.0	29.5	26.9	31.8	33.5
COPS7A	23.2	24.3	21.4	24.1	28.6	24.0	22.9	24.7	23.9	20.9	29.1	27.9	26.6	27.8	26.1	25.6	21.0	23.2	21.7	25.2	26.2	27.7	23.1	24.7	21.7	19.6	30.9	27.4	21.7	27.5	19.8	25.1	19.2	25.2	22.9	24.7	26.4	21.3	24.2	24.1
COPS7B	5.4	5.8	6.0	5.6	6.6	6.9	5.0	6.9	8.4	7.0	8.9	11.1	9.9	10.6	10.2	7.5	7.8	10.0	8.8	9.6	9.8	8.1	7.8	7.1	7.1	6.7	10.4	10.5	8.1	6.7	8.6	6.5	7.6	7.3	5.9	7.0	9.7	6.7	7.7	8.1
COPS8	16.8	16.9	17.2	16.2	19.8	19.2	16.1	19.1	20.9	19.1	21.2	23.8	19.6	23.3	20.5	23.4	20.2	22.4	18.5	22.1	17.2	19.3	19.1	19.8	15.1	18.1	19.1	19.9	14.8	17.6	15.2	20.6	16.8	23.2	17.7	18.1	20.0	17.8	18.6	18.8

CTSS	2.0	1.3	1.2	0.7	3.1	2.0	1.1	3.5	3.0	1.2	0.9	0.4	5.1	0.8	3.9	2.6	2.9	2.7	3.0	4.6	2.2	0.9	0.7	1.1	0.3	1.0	1.2	1.8	0.7	2.1	0.7	1.7	9.4	3.0	0.5	1.9	2.7	1.4	2.7	3.3
CTSZ	54.0	36.3	21.9	50.8	64.8	43.5	46.6	60.8	61.3	42.6	50.3	63.2	53.9	64.8	94.2	48.7	56.2	40.7	61.0	62.1	63.0	58.8	52.7	56.1	34.2	47.5	51.2	53.4	43.8	53.3	35.7	46.0	64.5	51.3	43.7	44.3	41.5	46.8	44.8	50.5
CTTN	29.5	27.3	36.2	35.8	44.2	31.5	29.8	33.3	35.7	29.4	35.4	36.6	37.9	34.7	40.8	37.3	31.9	34.6	31.8	35.1	35.9	29.2	31.4	33.7	28.6	34.4	40.0	36.4	31.9	36.8	32.8	41.2	32.2	47.1	34.8	39.7	42.7	39.4	40.5	32.3
CTTNBP2NL	2.4	1.9	1.6	1.9	2.1	2.1	1.6	2.0	2.8	2.2	1.5	1.4	1.9	2.8	3.4	2.7	2.6	2.6	2.2	3.4	1.8	1.9	2.0	1.5	1.3	3.7	2.6	2.9	1.4	1.3	2.7	3.0	7.1	3.4	1.7	2.6	3.3	2.9	3.1	2.6
CTU2	1.9	2.5	2.4	2.8	2.2	1.8	2.4	2.0	2.9	2.5	2.7	2.5	2.1	3.1	2.6	2.2	2.2	1.8	2.2	2.1	2.3	1.6	1.3	1.9	2.8	2.2	2.6	3.6	2.7	2.7	2.1	3.7	2.8	2.9	2.6	2.5	2.7	2.9	2.4	2.1
CUEDC1	8.4	9.5	8.3	10.9	13.2	8.0	7.5	9.2	9.3	7.5	9.3	8.2	8.1	12.3	9.4	9.2	9.4	7.2	7.9	7.2	8.3	8.1	9.6	8.1	5.5	7.7	8.7	9.7	7.3	8.1	7.0	10.8	5.5	8.7	8.1	7.1	10.1	8.4	8.4	8.9
CUEDC2	20.9	24.9	24.7	22.6	26.7	26.3	22.9	23.8	27.2	22.5	25.7	25.9	27.7	26.8	24.6	23.1	21.0	23.7	30.0	23.9	24.4	22.7	27.4	25.2	20.9	22.2	26.4	29.4	17.7	28.7	24.9	29.5	20.5	26.1	26.9	22.8	23.7	23.2	26.6	23.9
CUL1	15.0	15.7	14.8	15.1	15.3	13.8	13.5	14.9	15.0	15.4	14.4	13.8	15.2	15.4	15.8	16.7	15.1	15.5	13.5	14.6	14.1	12.8	14.0	14.5	11.8	13.0	15.1	14.2	9.3	13.2	11.8	16.4	18.8	15.2	12.0	14.3	16.9	13.2	15.0	15.9
CUL2	6.8	6.0	6.3	6.6	6.0	5.7	5.5	7.2	7.3	6.3	6.4	5.8	7.2	8.7	4.9	6.7	5.3	6.6	6.2	6.2	6.8	6.1	6.9	5.5	4.1	5.1	5.3	5.7	3.7	5.2	5.0	5.6	5.6	6.4	4.5	5.9	7.0	4.9	5.5	6.8
CUL3	7.3	7.8	7.7	7.4	7.7	6.8	6.5	8.0	8.1	8.1	7.5	7.7	7.4	8.2	6.8	8.5	7.4	8.2	7.0	7.4	7.6	7.4	8.6	7.5	5.1	6.9	7.8	8.0	4.7	6.0	6.3	8.4	9.4	8.7	6.8	7.9	8.1	7.2	9.0	8.6
CUL4A	28.4	32.4	30.8	22.2	36.6	27.2	24.9	28.3	28.2	23.0	32.8	26.8	32.5	26.8	20.7	28.0	23.2	29.9	22.7	30.6	24.2	28.4	29.9	26.6	20.5	23.6	30.7	29.1	18.4	27.4	23.1	24.8	21.8	29.9	33.8	29.3	33.5	25.2	31.4	36.4
CUL4B	3.6	4.1	3.6	3.5	6.3	4.3	3.8	4.3	6.2	4.5	4.0	4.2	6.0	5.7	5.9	5.1	5.7	6.1	3.9	8.3	5.5	4.1	4.5	4.4	5.1	6.9	4.6	4.0	4.4	5.0	3.6	5.1	10.7	9.4	4.3	6.2	6.9	5.7	5.7	5.5
CUL5	5.4	5.5	5.5	3.9	4.1	4.1	4.5	5.5	5.9	4.6	5.7	4.1	4.2	4.4	2.4	4.0	4.7	5.6	4.9	5.8	4.3	4.2	5.0	4.2	2.6	2.8	4.5	4.6	2.0	2.6	3.6	4.2	3.9	5.3	3.9	5.4	5.1	3.6	3.9	5.2
CUL7	1.6	2.5	1.6	1.7	2.6	2.5	1.7	1.9	2.8	1.9	2.5	2.4	2.9	3.7	2.9	1.6	2.2	2.4	1.8	3.2	2.8	2.4	2.2	2.5	1.9	3.3	3.1	3.1	2.3	2.7	2.1	2.1	4.2	3.2	2.0	1.9	3.7	2.4	2.8	2.7
CUTA	22.1	24.1	23.2	29.7	30.5	23.1	23.5	26.3	23.5	24.2	29.2	26.8	28.1	29.3	31.8	19.5	24.1	22.1	23.0	28.4	23.3	22.5	23.9	27.6	25.5	30.1	32.6	28.5	17.8	33.5	23.6	26.8	31.8	25.9	26.8	19.1	23.2	19.9	23.7	29.3
CUTC	15.5	15.5	16.5	13.6	17.3	11.5	15.0	11.0	12.0	10.9	7.7	12.1	11.5	17.4	11.2	11.6	12.3	14.2	8.7	9.4	9.0	12.4	9.5	9.1	9.4	8.7	15.2	12.5	8.6	14.2	16.7	17.5	11.7	11.9	10.2	14.7	16.7	18.4	17.1	11.3
CUX1	22.4	24.2	22.7	20.4	36.0	23.8	19.9	25.7	30.8	33.7	32.2	33.9	31.2	36.6	32.9	30.1	39.7	36.1	27.0	27.5	37.8	28.7	34.8	32.7	26.1	31.9	32.7	42.5	25.2	32.1	24.2	31.8	25.5	40.5	27.3	28.2	41.0	37.6	32.2	29.1
CWC15	19.1	21.6	20.1	22.2	17.5	18.5	17.0	18.2	19.4	18.6	19.8	21.6	19.7	16.8	19.0	19.7	20.3	17.6	21.0	18.0	18.5	15.6	23.0	19.3	14.8	16.3	21.4	19.8	11.6	20.7	20.1	18.6	18.6	17.4	24.5	16.7	19.1	16.4	20.9	22.2
CWC22	2.4	2.8	2.6	3.2	3.2	2.9	2.1	2.8	4.0	3.3	3.3	3.0	4.8	3.7	4.7	3.5	3.8	3.1	3.3	4.6	3.6	3.3	4.1	3.2	2.6	3.9	3.6	3.0	3.3	3.5	3.3	3.6	6.5	4.4	2.9	3.8	4.5	2.7	4.3	4.1
CWC25	4.2	4.1	3.2	4.7	4.4	3.7	3.4	3.3	5.1	4.1	3.3	4.3	4.9	4.5	5.1	4.3	5.0	4.2	3.9	5.8	4.6	3.2	4.5	4.3	4.7	4.1	4.9	5.1	3.2	6.0	4.2	4.5	8.6	5.1	5.0	6.0	4.8	4.0	5.8	4.4
CWC27	9.1	8.1	7.6	8.8	8.4	8.7	7.9	9.4	8.9	10.3	8.6	6.7	11.4	11.7	9.7	9.6	9.5	9.7	7.8	7.4	8.9	8.4	9.7	9.8	6.9	9.5	9.9	9.2	6.9	10.2	6.4	8.8	8.7	8.8	7.3	9.0	8.9	6.9	9.8	9.0
CWF19L1	2.1	2.8	2.0	2.2	2.7	2.6	2.5	1.6	2.6	2.2	2.5	2.5	2.4	2.9	2.2	1.8	2.3	2.4	2.0	2.6	3.3	2.1	1.8	1.9	1.9	2.1	2.5	2.6	1.4	2.7	1.8	2.1	3.5	3.0	2.5	2.4	3.1	1.5	2.2	2.5
CWF19L2	1.8	2.1	1.3	1.7	2.8	2.3	1.9	2.0	2.2	2.6	2.3	2.1	2.8	3.3	3.5	2.5	1.9	2.3	2.1	3.3	2.2	2.5	2.3	2.3	1.9	2.4	2.8	2.7	1.9	2.5	1.7	2.3	2.7	3.0	2.9	2.4	2.3	2.2	3.0	3.0
CX3CL1	5.8	5.3	4.9	4.3	9.2	8.0	4.3	5.1	8.4	6.1	4.5	6.2	10.1	6.4	14.5	6.1	5.3	7.1	8.8	7.9	4.7	4.7	5.2	7.7	8.4	13.1	7.5	10.9	6.4	22.6	9.4	11.1	18.4	15.8	9.1	8.8	8.4	9.0	9.7	7.3
CXADR	3.7	2.5	2.7	2.2	2.2	1.2	1.7	2.5	3.7	2.0	3.8	1.5	1.7	2.3	0.5	2.1	1.8	2.7	3.8	2.1	2.7	1.7	2.8	2.3	0.7	1.8	2.2	2.8	0.7	0.8	2.3	2.0	0.4	1.8	2.0	3.1	3.2	2.3	2.3	5.3
CXCL10	0.0	0.0	0.1	0.3	0.2	0.1	0.4	0.1	0.4	0.3	0.1	0.2	5.4	0.1	0.9	0.1	0.0	0.3	0.4	0.4	0.2	0.3	0.7	1.4	0.1	0.1	0.1	0.5	5.5	1.1	0.3	1.3	1.9	0.5	1.1	0.1	0.3	0.1	0.8	0.2
CXCL12	46.1	34.6	30.2	59.2	65.2	42.4	40.0	40.7	71.4	61.8	56.6	41.8	90.3	36.5	111.5	27.2	50.3	41.9	52.0	56.2	73.9	39.8	57.1	40.6	23.3	46.9	21.5	55.0	58.3	37.3	44.1	45.5	94.5	34.3	32.5	17.8	36.7	18.5	19.7	43.5
CXCL14	1.0	0.8	1.2	0.6	0.5	1.6	0.4	0.4	3.7	0.7	0.3	0.1	2.3	0.6	9.5	1.1	0.8	0.1	0.5	0.7	1.7	0.4	0.4	0.7	0.7	1.0	1.1	1.0	8.5	1.7	0.4	1.6	3.7	0.4	1.2	0.5	0.2	0.8	1.2	4.7
CXCL16	0.9	1.2	0.9	0.6	2.0	1.4	1.1	1.3	2.7	1.8	0.9	0.8	5.3	1.7	4.2	1.9	3.3	2.0	2.9	4.1	2.0	1.4	0.7	0.9	0.6	4.4	1.9	1.7	1.7	1.8	0.5	1.2	7.6	3.8	0.6	1.1	3.0	2.0	2.6	2.5
CXCL2	3.7	1.2	1.0	3.7	3.1	1.9	3.2	1.3	2.2	2.2	0.7	1.8	3.2	2.3	11.2	7.1	1.5	0.8	2.3	6.6	1.7	4.5	0.8	1.5	9.1	10.7	7.6	7.5	1.7	45.2	2.5	9.6	21.5	5.4	1.0	6.9	10.6	6.9	16.5	12.3
CXCL9	0.0	0.1	0.0	0.2	0.3	0.1	0.0	0.4	0.2	0.0	0.2	0.2	1.2	0.1	0.6	0.1	0.3	0.1	0.4	0.5	0.2	0.2	0.7	2.1	0.2	0.1	0.5	1.0	3.3	0.7	0.3	1.0	3.0	3.2	0.5	0.7	0.9	0.4	1.4	0.7
CXCR4	0.7	0.8	0.9	0.6	1.9	2.9	1.3	1.1	2.4	1.5	0.7	1.8	3.4	2.8	3.2	4.4	2.8	1.6	1.7	7.6	1.1	0.8	1.2	1.2	1.7	9.3	3.8	2.8	1.2	10.4	1.2	2.8	92.8	6.6	1.7	2.7	11.5	3.4	6.4	3.6
CXCR7	12.8	11.8	7.0	8.7	11.2	8.6	10.1	10.1	15.8	16.3	13.2	17.9	15.0	9.3	21.5	19.1	14.3	14.1	20.6	16.1	25.1	21.2	12.8	12.3	5.7	14.1	8.8	10.3	7.0	9.5	8.0	7.5	11.8	7.8	5.6	7.4	6.6	7.4	7.7	12.9
CXorf26	2.1	2.2	2.6	2.2	3.1	1.5	2.1	1.7	2.7	1.5	2.9	2.0	2.4	2.3	3.5	2.3	2.6	2.3	2.1	3.0	1.9	2.1	2.2	2.2	2.3	1.2	1.9	2.8	2.6	2.2	3.2	3.3	2.7	2.8	1.9	2.8	2.6	2.6	2.2	2.5
CXorf36	4.6	5.8	3.5	4.6	4.2	4.1	3.6	4.7	4.4	3.3	3.5	3.3	3.5	3.1	6.1	2.8	3.5	4.7	5.6	3.9	5.5	4.2	4.5	3.3	1.1	2.7	2.2	2.9	1.9	3.4	4.5	4.1	9.1	3.9	3.6	3.2	4.4	4.2	6.3	4.4
CXorf40A	3.5	4.8	4.6	4.2	3.3	4.0	4.4	5.0	6.1	4.1	4.6	3.7	4.6	4.1	4.7	6.6	3.9	4.2	3.3	3.7	4.1	4.8	4.3	4.3	3.5	3.7	5.2	5.3	3.6	4.9	5.3	7.9	3.9	4.6	3.1	6.8	6.4	7.8	4.9	4.4
CXorf40B	5.1	7.5	7.2	7.0	7.4	5.7	7.6	5.6	4.7	6.4	8.2	8.4	6.0	7.6	7.9	4.9	7.7	6.5	6.5	6.7	5.5	7.6	6.6	5.1	4.5	6.2	8.2	10.3	6.2	7.2	7.0	6.0	8.5	7.7	6.8	7.1	7.3	8.0	7.2	4.6
CXorf56	2.1	3.0	1.5	2.0	2.5	2.9	2.4	2.4	3.5	3.7	3.8	3.8	4.0	3.7	4.4	3.8	3.3	3.6	2.4	3.8	4.4	3.1	4.1	3.1	2.3	3.3	4.0	4.3	3.3	3.5	2.4	4.0	3.9	4.2	3.0	2.8	3.9	4.6	3.5	3.5
CXXC1	5.4	4.9	4.6	4.4	5.0	4.9	4.1	3.9	5.5	4.6	5.4	5.7	5.8	6.0	7.2	4.6	4.4	5.1	5.1	6.5	5.7	4.6	4.8	5.3	5.0	4.8	5.8	5.9	4.9	5.1	5.2	4.8	8.1	5.3	4.8	4.6	5.6	4.4	5.2	4.7
CXXC5	5.6	6.4	2.8	5.7	5.6	6.5	5.7	4.0	6.2	4.6	6.8	6.0	4.7	8.7	7.3	5.0	5.3	5.1	4.4	6.7	5.5	5.3	4.5	6.9	2.2	4.5	2.7	4.1	5.2	4.8	3.8	4.6	2.9	3.5	3.1	2.6	2.1	3.5	4.1	4.8
CYB5A	21.4	21.1	18.2	22.7	31.2	22.7	17.9	28.6	19.7	16.6	29.3	22.8	21.9	21.2	27.0	19.7	18.5	23.5	20.7	23.2	40.1	19.6	21.4	23.4	19.9	17.6	27.9	25.0	17.0	22.2	17.5	16.8	29.7	20.8	24.5	14.0	17.4	13.8	18.5	22.0
CYB5B	6.2	5.4	5.2	5.6	5.5	4.9	4.2	5.9	6.5	5.8	5.9	6.9	6.7	8.2	7.0	6.4	6.2	6.0	5.9	7.0	8.0	5.4	6.5	6.9	4.3	5.6	5.5	6.3	5.0	5.8	6.4	6.3	6.9	5.7	5.5	5.4	6.5	4.9	6.4	6.1
CYB5D1	4.6	4.5	2.5	3.4	3.0	4.0	4.2	4.1	4.4	3.2	3.9	3.0	3.5	3.4	3.6	4.6	2.8	4.7	4.5	4.3	3.8	3.7	4.3	3.6	2.6	2.1	3.9	2.6	2.5	2.8	2.9	2.9	4.2	4.9	3.3	4.4	4.2	3.3	4.1	4.3
CYB5D2	3.1	3.0	3.0	2.7	7.6	4.8	2.9	3.2	4.2	3.4	3.8	3.8	5.3	5.9	7.4	3.2	3.7	3.8	3.0	7.1	4.3	4.5	2.8	2.8	4.4	4.5	5.1	5.1	5.0	5.6	2.9	4.5	6.3	7.0	3.6	4.1	4.2	3.3	3.4	3.3
CYB5R1	50.9	61.8	48.6	37.4	51.5	45.9	38.8	34.7	63.3	67.7	65.0	85.9	59.9	70.2	59.5	69.8	59.6	63.7	66.6	52.0	63.6	56.9	80.3	58.8	42.7	44.8	71.1	65.8	44.5	57.3	67.7	76.2	30.5	50.8	48.1	60.7	61.9	60.0	69.0	42.8
CYB5R3	72.8	63.0	61.7	68.7	97.4	58.0	72.8	63.4	77.1	72.8	74.6	87.4	83.8	88.6	134.4	81.0	108.0	65.3	79.6	81.0	105.4	72.4	85.5	60.1	53.6	73.6	83.4	85.5	84.6	69.7	60.9	82.3	83.3	97.2	63.2	71.4	82.8	73.0	69.9	54.3
CYB5R4	3.5	3.6	3.3	3.8	3.7	3.7	3.3	3.5	4.7	4.5	3.5	3.5	4.5	4.8	2.9	3.8	3.5	3.7	3.0	4.9	2.8	4.2	3.8	3.1	1.5	3.3	3.3	4.3	3.1	2.6	2.9	3.6	4.0	4.0	2.5	3.8	3.8	3.5	4.3	3.7
CYBA	4.8	6.0	7.9	8.6	12.4	8.1	10.6	7.5	11.9	4.2	7.4	6.6	9.6	6.8	13.3	5.1	5.7	5.1	7.8	9.1	15.4	5.6	5.0	3.8	4.5	8.2	5.1	8.1	8.6	9.3	4.9	8.3	26.5	8.2	5.6	5.7	8.7	7.9	7.6	6.3
CYBASC3	2.3	1.6	2.0	2.0	3.7	2.4	1.7	3.2	2.6	1.5	2.4	1.8	3.8	3.1	5.8	2.3	2.1	1.9	2.2	4.7	3.7	3.4	2.5	2.0	2.1	2.6	1.8	2.8	2.9	1.9	2.2	2.4	4.3	2.4	2.5	2.2	2.9	2.9	2.2	2.0
CYBB	2.8	2.5	1.8	0.7	3.0	2.4	2.0	3.2	3.1	1.2	0.9	0.3	3.7	0.5	2.3	1.4	2.8	1.9	2.0	4.5	2.0	1.1	0.5	1.0	0.5	1.7	0.6	1.5	0.5	0.9	0.3	0.8	3.5	1.5	0.5	1.4	1.3	0.7	1.1	2.0
CYBRD1	23.5	16.7	14.0	12.2	20.6	21.0	16.1	23.1	35.6	21.7	17.6	10.5	32.6	27.2	71.7	25.0	27.4	24.1	17.6	53.3	39.1	19.0	17.0	13.7	21.6	49.4	17.1	16.5	22.2	20.5	10.0	19.6	80.0	37.5	14.0	20.3	25.4	18.3	25.2	25.4
CYC1	153.5	151.6	163.2	147.3	142.9	156.5	148.9	136.4	136.3	117.4	158.2	129.0	115.7	110.3	90.6	126.8	89.5	124.1	134.2	121.1	110.0	136.6	114.7	132.2	109.2	89.8	151.3	149.1	81.4	138.4	138.5	140.4	61.4	124.3	150.1	143.7	135.5	110.5	107.6	150.1
CYCS	56.5	62.1	71.9	53.6	52.8	49.9	61.3	74.0	60.6	59.0	61.2	62.9	56.7	59.9	38.1	64.7	44.9	64.8	50.0	55.4	51.7	57.2	65.3	59.4	37.7	42.6	51.7	53.2	36.4	60.3	60.9	69.4	26.2	64.9	50.8	68.0	60.5	50.8	64.8	67.9
CYFIP1	8.4	7.4	6.3	7.9	11.5	6.6	6.1	8.0	10.1	6.9	7.2	6.0	8.6	7.2	13.3	7.5	8.5	7.9	8.1	12.1	9.1	7.0	4.8	6.7	4.1	9.5	7.0	7.0	6.0	5.4	7.5	8.9	15.6	10.2	5.6	8.4	9.0	8.1	6.5	8.8
CYFIP2	5.1	3.6	2.6	3.3	8.1	3.1	3.7	5.8	3.5	3.6	3.9	5.5	4.4	6.1	3.9	4.7	4.7	3.7	5.0	3.6	3.6	6.2	3.3	5.1	3.0	3.0	4.7	4.7	2.3	3.3	2.0	2.6	5.0	3.3	4.3	2.7	3.0	3.1	2.8	3.7
CYGB	6.5	6.4	5.9	9.4	9.3	14.2	6.5	8.4	9.6	4.6	8.0	8.8	6.2	5.7	17.1	6.3	6.4	5.6	7.8	11.6	9.0	6.9	7.4	7.0	7.4	8.8	4.0	6.2	9.0	7.8	6.8	8.2	11.6	7.7	7.3	5.0	4.1	5.6	5.1	8.0
CYHR1	10.3	11.5	9.7	13.0	14.7	16.5	10.8	12.4	14.7	14.1	15.1	12.8	16.0	18.1	12.8	14.2	10.3	10.7	12.9	12.0	12.8	11.8	12.2	14.3	10.5	10.6	13.6	13.8	10.6	15.9	12.1	10.8	9.8	12.8	11.6	10.0	14.4	11.6	13.3	10.4
CYLD	2.9	3.0	3.5	2.3	3.1	2.5	2.2	2.8	4.3	3.4	4.1	2.6	3.8	4.3	3.6	3.2	4.7	3.6	3.3	4.0	3.2	3.6	3.6	3.1	2.8	2.7	4.0	3.6	2.4	3.0	3.9	4.6	4.7	4.0	2.9	5.8	3.9	7.7	4.8	3.9
CYP1B1	3.2	3.6	2.8	3.0	5.2	4.6	4.3	3.4	13.0	14.6	7.0	3.5	7.0	9.5	16.0	12.6	19.7	7.0	13.4	14.5	10.8	8.5	2.1	2.3	9.0	24.4	5.6	7.7	12.2	3.9	2.6	16.9	46.7	23.9	5.8	12.1	27.1	18.5	6.2	22.1
CYP27A1	2.8	3.3	2.1	2.7	5.0	3.4	3.2	3.1	4.6	3.1	5.5	3.5	6.1	4.6	13.5	3.8	3.4	4.0	4.3	7.5	7.0	4.8	3.9	4.0	5.1	5.8	5.1	4.4	6.6	5.6	2.8	3.5	11.1	7.0	4.0	3.9	5.6	3.3	4.2	4.0
CYP2J2	29.9	57.7	39.3	23.5	30.0	18.5	14.5	18.9	27.3	45.3	35.1	36.9	36.2	43.0	31.8	33.1	39.3	43.8	37.0	18.4	32.6	34.6	61.1	37.8	13.5	35.6	35.2	51.2	22.0	35.9	61.1	52.1	18.4	28.8	26.8	27.4	43.3	42.3	37.4	29.2
CYP4B1	1.2	10.6	13.5	6.6	14.9	16.0	17.9	13.3	4.1	2.9	2.2	1.3	1.4	1.5	5.1	9.6	2.1	2.7	6.2	1.8	6.5	4.6	2.1	3.3	5.5	2.6	19.9	3.4	0.7	11.0	5.4	4.2	21.4	5.6	13.8	23.0	8.8	15.4	29.5	6.0
CYP4V2	4.1	3.7	3.6	2.5	3.7	4.1	3.2	2.7	1.6	2.3	3.5	0.7	3.7	1.8	3.4	2.3	1.6	1.9	1.2	4.3	2.4	3.9	4.9	5.6	0.9	2.2	2.6	3.7	2.4	1.6	2.6	2.4	1.5	1.5	1.6	1.8	2.2	1.7	3.2	6.7
CYP4X1	1.2	0.9	0.7	0.6	1.4	1.5	1.1	1.1	1.2	0.7	0.5	0.7	1.9	1.4	5.4	1.0	0.6	0.9	0.8	4.1	2.0	1.3	0.4	0.7	1.4	1.1	1.3	0.5	1.5	1.6	0.6	1.1	2.1	1.2	1.7	1.5	1.1	1.7	1.3	1.5
CYP51A1	4.3	3.4	4.8	6.5	3.1	3.0	3.1	4.3	5.5	5.8	4.3	4.3	5.1	6.3	4.8	4.7	3.9	3.2	4.8	5.4	5.0	4.3	3.6	4.4	2.9	4.6	4.5	3.9	4.1	3.9	3.7	4.3	4.4	6.3	4.7	6.0	6.2	3.9	3.5	4.4
CYR61	9.0	12.3	11.0	5.6	8.4	22.9	19.3	6.2	25.2	18.3	19.2	9.3	50.6	53.0	85.3	10.9	18.1	8.9	12.7	42.0	16.9	9.4	11.8	7.8	64.9	141.4	31.6	29.1	44.8	166.8	5.4	22.0	635.5	135.4	15.2	97.0	103.5	218.2	96.8	52.6
CYSLTR2	4.2	2.1	1.2	1.0	2.3	2.7	1.7	3.0	3.2	1.8	2.1	1.5	1.6	0.8	0.7	2.3	1.7	1.8	2.3	3.3	2.9	2.3	1.5	1.9	0.5	2.1	1.0	1.3	1.4	1.2	1.1	1.1	0.7	0.6	1.0	1.4	0.7	0.7	1.0	3.0
CYTH1	9.0	8.0	7.6	6.7	8.6	8.6	6.4	6.9	10.0	7.6	6.3	6.1	9.2	6.3	7.7	12.9	7.1	8.8	7.6	10.8	8.6	6.8	6.0	5.8	7.6	8.2	8.6	7.8	5.2	10.8	8.2	7.9	18.7	11.6	9.4	8.8	10.3	8.1	10.5	6.6
CYTH2	3.2	3.4	3.1	3.6	4.7	3.9	3.0	2.9	5.0	4.0	4.9	4.4	4.2	6.6	6.8	4.2	4.3	3.6	3.9	5.4	5.1	3.9	4.5	3.2	4.5	4.4	4.4	5.4	3.8	5.4	2.9	5.4	8.6	5.5	4.1	4.5	5.4	4.8	6.0	3.4
CYTH3	7.7	7.8	7.1	7.6	11.2	7.8	5.8	8.9	11.3	9.4	9.8	7.6	9.4	10.4	17.8	8.5	9.0	8.1	10.3	14.2	10.6	8.9	9.0	7.7	8.6	14.0	10.2	11.0	9.3	8.3	8.8	11.3	13.5	13.6	10.3	10.2	11.4	10.9	10.3	8.7
CYYR1	6.8	7.0	4.6	8.0	6.3	8.6	7.2	7.9	5.7	4.6	4.7	4.6	5.2	5.2	8.7	4.6	4.9	7.1	5.5	7.4	7.1	6.3	5.7	5.3	1.8	4.5	5.0	5.7	3.2	6.1	6.9	6.0	9.6	4.3	3.4	4.5	4.6	4.9	6.5	8.4
D2HGDH	3.5	3.9	4.1	3.1	5.4	4.3	3.4	3.3	4.8	2.5	5.1	4.7	5.6	5.0	5.2	3.3	2.7	4.5	4.3	5.0	6.0	3.4	4.2	2.8	4.5	4.0	4.7	6.1	4.6	4.8	3.6	4.2	5.2	5.7	3.8	4.6	5.6	3.5	4.5	3.1
DAAM1	11.2	7.1	7.2	8.0	7.8	6.2	7.9	8.8	9.6	6.5	6.9	3.4	5.3	5.1	3.6	6.7	5.8	7.3	6.8	12.2	5.3	6.5	6.8	6.1	4.4	6.3	4.2	5.9	2.9	2.8	4.2	5.1	6.5	7.4	6.5	5.2	6.4	3.5	5.7	9.3
DAAM2	4.0	5.4	5.4	4.9	8.5	7.3	5.0	7.9	5.6	3.4	4.0	4.5	4.8	4.1	7.5	6.5	3.2	4.0	5.8	6.3	8.0	4.7	5.3	3.6	4.5	5.2	6.4	5.5	3.8	6.5	6.3	5.0	9.1	5.3	6.5	7.6	10.2	7.7	12.5	5.9
DAB1	1.9	0.8	0.7	0.6	1.1	0.3	0.0	0.9	0.4	0.6	0.8	0.1	0.6	0.0	0.4	1.7	0.8	0.3	0.3	0.2	1.6	2.5	1.6	0.2	0.1	0.6	1.7	0.5	0.0	0.4	1.6	1.5	0.7	0.4	0.3	0.8	3.0	3.6	0.8	1.7
DAB2	6.7	5.4	5.1	5.3	9.1	6.3	4.4	8.4	11.3	6.4	5.8	3.5	13.4	5.7	17.4	4.6	9.2	7.1	8.2	14.0	10.2	7.3	5.0	3.9	2.4	8.0	3.5	5.7	5.5	3.1	3.8	5.4	20.7	4.3	2.2	5.4	5.7	4.9	5.8	9.6
DAB2IP	10.9	12.9	11.8	12.6	16.5	10.4	10.1	13.1	14.8	13.0	13.3	12.1	9.1	12.5	16.0	12.3	13.2	11.5	11.8	13.2	11.0	13.0	11.4	12.3	7.0	14.3	9.6	16.0	9.2	6.9	9.4	13.3	11.1	12.8	9.8	8.6	10.8	10.4	9.9	10.4
DACT1	1.0	0.4	0.4	0.4	0.9	0.5	0.5	0.4	1.6	1.1	0.8	0.9	1.8	1.9	5.1	0.7	1.0	1.1	1.2	3.7	2.6	1.1	1.0	1.0	0.8	2.3	0.6	0.6	1.6	0.4	0.4	1.3	1.9	1.7	0.6	0.6	0.7	0.6	1.0	0.7
DACT3	1.3	1.6	1.7	2.4	2.5	2.2	2.2	2.8	4.2	2.0	3.5	2.1	3.3	5.7	9.0	3.3	2.4	3.2	3.2	7.0	1.9	3.6	2.3	2.5	4.1	3.9	1.5	1.8	3.8	1.9	2.1	4.1	1.9	4.7	2.1	2.1	2.4	3.2	2.1	2.0
DAD1	37.6	33.9	39.4	50.1	38.7	34.1	35.5	38.7	34.2	40.0	37.9	46.5	47.1	59.0	54.0	32.7	41.6	38.3	48.7	46.0	51.9	41.4	38.3	33.3	28.5	41.5	39.4	45.6	32.4	49.4	38.0	38.2	45.1	35.4	45.0	40.5	45.8	36.7	35.2	34.2
DAG1	24.3	33.4	25.6	35.7	29.6	21.0	22.0	27.1	30.3	21.1	22.6	18.4	22.5	32.2	23.8	28.2	28.1	20.6	24.1	20.6	24.4	23.7	27.4	21.3	17.3	19.8	26.1	25.5	17.5	17.3	19.3	24.0	16.4	26.7	19.1	23.1	29.3	26.1	29.7	24.1
DALRD3	2.4	2.0	1.8	2.9	3.3	3.0	2.0	2.7	3.5	2.4	3.6	3.8	4.8	5.9	4.6	2.6	3.7	3.1	3.1	4.1	3.5	2.5	2.8	2.8	2.0	2.9	3.1	3.3	3.3	5.0	3.2	3.5	3.7	3.7	3.3	2.4	4.1	2.5	2.2	2.4
DAP	7.7	6.4	5.9	9.1	12.9	9.7	6.4	12.5	17.0	11.2	10.3	12.0	13.1	18.0	26.2	13.5	13.6	9.3	8.9	16.1	15.0	11.0	9.2	11.2	9.6	16.8	8.5	10.4	14.1	8.8	7.5	16.2	18.4	13.4	6.5	7.6	12.4	11.0	11.1	9.0
DAP3	28.6	27.1	28.6	31.5	27.2	29.2	25.5	23.0	26.2	24.6	28.4	27.6	30.4	23.7	24.2	26.8	25.5	30.3	24.0	28.5	27.0	27.3	30.3	29.7	20.1	21.5	29.6	28.7	17.3	29.7	22.0	26.9	23.2	27.2	22.8	27.9	26.6	23.2	27.3	29.2
DAPK1	0.5	0.5	0.4	0.5	1.1	0.6	0.3	0.8	1.6	0.5	0.2	0.5	1.5	0.8	2.2	0.9	1.0	0.7	0.7	3.5	1.2	0.8	0.3	0.6	0.4	1.0	0.9	0.6	0.7	0.9	0.3	0.6	5.6	2.0	0.6	1.0	2.0	1.1	1.4	0.8
DAPK2	9.3	6.5	4.7	5.5	10.8	6.5	5.0	5.8	11.1	6.9	6.2	9.1	9.7	8.8	5.0	9.8	5.5	7.9	8.2	9.0	9.8	8.9	6.5	9.4	11.2	4.7	8.2	4.1	5.7	7.2	4.8	3.7	4.7	8.5	8.2	6.4	8.0	4.0	8.9	8.4
DAPK3	14.9	24.7	27.7	13.7	34.9	14.8	13.3	16.4	21.6	28.9	27.2	24.9	21.8	27.2	33.3	23.8	38.5	23.7	25.6	19.6	23.2	23.1	30.5	26.0	16.4	30.2	32.6	33.1	13.3	23.6	34.4	44.0	36.1	25.0	28.2	30.5	29.6	40.7	26.5	22.4
DARC	1.3	3.4	4.6	4.6	4.3	3.1	3.5	1.3	7.8	3.8	4.4	2.0	12.3	5.7	24.6	2.1	10.2	2.7	5.4	2.3	15.0	1.8	2.9	1.2	1.1	6.0	5.8	4.8	7.2	8.0	5.6	9.8	45.7	6.5	3.9	3.9	9.0	10.2	10.5	1.1
DARS	16.3	14.2	15.7	14.0	16.8	13.3	13.0	13.6	19.3	16.5	18.0	18.0	17.2	17.1	16.5	19.7	15.0	18.9	13.9	19.7	18.5	15.6	16.3	17.5	9.8	15.2	12.5	17.6	10.3	13.5	14.5	22.2	16.1	16.9	14.6	15.3	16.8	14.3	16.2	16.1
DARS2	3.6	4.0	3.3	2.9	3.5	3.2	2.8	5.8	5.3	5.2	5.7	4.4	4.4	4.6	2.6	4.0	4.5	4.8	4.4	5.5	5.0	4.1	4.2	3.9	3.2	3.9	4.0	4.9	3.2	3.1	2.2	4.0	2.8	5.5	2.5	4.4	4.5	3.6	3.3	3.7
DAXX	4.6	4.8	3.8	5.0	5.0	4.9	3.3	4.8	6.0	5.7	4.6	4.9	6.9	7.3	8.3	5.1	5.0	4.2	5.1	5.3	6.1	4.7	4.6	4.4	4.7	5.7	5.5	5.1	5.3	5.8	3.9	5.2	10.9	7.4	5.8	4.9	5.3	4.9	6.2	4.8
DAZAP1	14.3	16.2	13.7	16.8	15.7	13.8	14.2	13.1	14.8	13.0	13.6	13.3	14.0	18.7	15.1	12.0	12.7	11.2	12.2	11.4	13.3	12.6	13.5	13.3	11.3	15.4	13.9	13.9	12.9	13.8	13.9	16.1	17.0	15.3	12.2	13.8	15.0	15.8	16.2	14.3
DAZAP2	46.0	63.1	50.8	58.4	56.1	55.9	56.1	43.4	64.7	54.4	63.7	67.7	78.2	68.7	82.1	67.0	65.1	64.8	55.9	65.5	73.4	67.0	67.3	56.5	44.1	51.1	69.7	65.6	54.5	73.1	48.4	68.5	71.8	66.6	58.1	66.7	72.4	87.8	84.0	57.2
DBI	206.3	179.4	153.7	251.6	149.5	184.1	159.4	217.2	127.0	137.3	173.4	143.4	136.8	151.9	135.4	130.3	161.7	171.1	134.8	168.2	148.0	127.9	160.0	158.1	127.8	133.8	173.3	186.3	101.8	179.3	144.8	175.0	123.4	158.7	202.5	155.7	157.9	122.1	173.3	178.0
DBN1	9.1	7.2	7.5	5.7	10.0	5.6	7.2	7.6	13.8	6.5	6.0	6.5	5.4	6.5	24.9	8.5	6.8	5.6	7.5	12.1	12.9	8.4	4.1	6.0	7.6	9.0	8.1	5.0	7.2	7.5	7.6	9.4	12.7	11.0	8.0	8.7	8.4	8.3	5.8	6.0
DBNDD2	82.4	70.1	72.6	94.4	60.5	56.3	56.0	63.9	63.7	78.6	76.5	69.8	54.1	52.6	39.7	60.7	52.0	56.3	68.0	47.3	50.3	56.7	69.7	64.8	36.4	51.3	76.0	77.5	38.2	56.1	52.6	57.0	29.6	45.5	64.9	44.5	46.5	28.2	52.9	67.3
DBNL	9.3	10.2	10.1	10.4	13.1	9.9	10.8	11.3	14.2	12.4	10.7	12.1	14.4	18.0	20.2	11.7	15.1	10.8	13.6	12.8	13.9	10.7	11.6	13.6	10.4	12.1	12.0	11.9	11.2	12.7	11.2	12.3	20.9	12.4	12.2	12.0	12.3	14.5	14.7	10.4
DBP	1.0	1.9	0.8	0.3	1.1	2.3	1.6	1.5	2.0	1.2	4.9	2.5	3.4	1.2	1.9	2.1	0.5	1.5	1.6	1.8	1.8	2.9	2.5	2.3	0.7	4.4	1.1	2.4	3.2	1.7	1.4	1.5	1.4	0.9	2.5	1.1	1.6	0.5	2.3	2.3
DBT	2.8	3.2	3.4	2.8	2.3	3.0	2.2	3.4	3.2	2.8	4.1	2.5	2.3	2.6	1.4	2.6	2.4	4.2	2.3	2.9	2.4	2.6	2.9	2.4	1.5	2.0	2.8	2.9	1.3	1.6	2.2	2.2	1.5	3.2	2.0	3.0	3.3	2.0	2.7	3.2
DCAF11	14.1	17.6	13.6	15.2	14.2	16.5	13.2	15.5	11.8	12.3	14.1	13.7	13.2	13.9	11.9	14.5	11.6	12.7	11.1	14.7	9.6	12.3	12.1	13.3	9.9	9.1	14.5	13.4	8.5	10.5	9.8	11.2	9.7	13.1	11.4	11.8	12.4	10.3	14.5	13.1
DCAF12	3.3	3.5	3.0	4.0	5.0	3.5	2.5	4.4	5.2	3.8	4.6	3.5	4.5	5.0	4.3	3.8	3.7	4.5	4.4	5.2	4.8	3.8	3.1	3.6	3.2	3.6	4.2	3.7	2.9	2.9	2.9	3.8	6.7	5.1	3.5	4.5	5.3	5.0	4.7	3.4
DCAF13	4.9	4.0	3.6	4.3	4.0	3.6	3.6	3.9	4.8	4.5	3.4	4.3	4.3	6.3	4.3	3.4	4.0	4.7	3.1	4.2	4.6	4.7	3.9	4.2	3.6	3.4	3.5	3.8	4.0	5.3	4.1	4.8	5.4	5.2	3.2	4.2	4.9	5.2	4.7	4.1
DCAF15	3.7	5.7	4.2	3.9	3.5	4.8	3.9	2.6	4.6	4.1	4.6	5.1	4.4	5.4	6.3	3.6	4.5	3.3	4.0	5.1	4.4	4.8	3.7	4.5	3.6	3.9	4.9	4.3	5.5	5.3	5.2	5.3	6.2	4.0	2.8	3.3	4.6	4.9	4.6	4.3
DCAF16	2.4	2.8	2.2	1.9	2.3	2.0	2.3	2.5	2.9	2.7	2.4	3.0	1.9	2.0	3.2	2.5	3.1	2.8	2.7	3.3	2.1	2.0	3.0	2.8	2.4	3.0	3.1	1.9	2.0	1.4	2.3	2.4	4.0	2.6	3.1	2.2	2.2	1.7	3.1	3.2
DCAF5	11.1	12.2	11.7	13.1	12.6	11.4	10.2	13.1	12.8	11.6	12.3	11.1	12.8	13.3	13.2	12.9	12.0	11.5	11.9	12.2	12.5	12.3	13.4	11.4	8.3	11.8	12.8	13.9	8.7	8.0	10.7	12.2	13.3	11.9	8.6	12.0	14.4	14.8	13.2	13.5
DCAF6	70.3	51.9	59.8	72.7	61.9	51.5	68.4	52.9	62.9	50.8	61.7	48.4	64.4	64.0	44.1	72.1	56.2	60.3	47.5	48.6	53.2	63.9	65.9	58.6	49.8	44.1	65.4	68.0	40.5	54.8	45.3	66.3	37.1	61.2	56.9	59.0	66.0	62.1	63.8	72.0
DCAF7	6.7	6.9	6.1	7.4	6.6	6.3	4.6	7.4	8.7	7.5	7.3	7.1	6.7	7.6	7.3	8.0	7.8	8.6	7.5	8.4	8.5	7.4	7.8	7.6	5.2	6.0	8.0	7.8	5.9	4.9	6.0	6.8	9.4	8.8	6.5	8.1	9.8	7.7	8.2	7.8
DCAF8	26.6	25.1	24.9	24.6	29.5	28.5	24.9	26.1	28.2	22.8	31.0	29.1	25.4	28.0	26.0	29.2	24.7	29.4	26.2	30.1	24.6	25.7	26.0	27.6	24.8	22.3	32.1	29.3	18.8	24.9	23.9	26.7	25.4	31.2	29.1	30.9	27.6	24.1	31.9	31.1
DCAKD	3.6	4.2	2.8	3.3	2.8	3.1	4.0	4.9	6.1	4.8	5.3	6.5	5.0	5.3	5.4	4.1	5.2	5.3	4.5	5.3	5.2	4.7	5.4	5.5	3.8	4.6	5.2	7.8	4.2	4.5	4.2	4.5	4.1	6.5	4.0	4.1	4.6	4.6	5.5	4.9
DCBLD2	6.1	8.1	5.5	5.3	6.2	4.3	5.8	5.7	9.2	8.6	8.2	6.1	7.6	11.9	6.3	5.6	12.6	8.8	9.0	9.6	8.2	9.0	10.3	7.9	6.2	6.9	8.8	8.0	3.9	5.9	9.7	9.6	8.8	9.0	6.7	22.2	12.8	29.6	12.2	9.0
DCHS1	3.0	2.6	2.0	2.0	4.4	3.3	1.5	3.1	4.7	3.3	3.8	2.8	3.2	3.1	6.5	2.7	2.8	3.6	3.5	5.8	5.0	4.5	2.6	2.8	1.4	3.3	2.0	3.0	3.0	1.6	2.4	3.4	4.8	4.8	2.7	2.9	3.8	3.3	1.9	3.3
DCLK2	2.7	4.1	2.9	3.2	4.4	4.6	2.7	3.6	4.1	3.9	4.3	3.5	4.2	7.9	4.9	4.0	5.9	4.3	3.8	5.0	3.1	4.5	4.4	4.4	3.3	3.8	4.4	4.2	3.8	3.8	3.9	5.6	2.9	5.2	4.4	3.5	4.4	4.9	3.8	4.8
DCN	288.2	284.9	257.8	193.4	486.0	438.6	345.7	336.1	527.7	381.7	362.7	142.0	786.9	434.1	1503.0	424.7	347.1	361.1	364.1	943.2	609.9	433.3	294.6	200.0	346.9	752.4	389.0	388.7	552.0	509.3	103.6	339.4	865.1	646.8	275.0	465.1	454.3	459.3	450.7	393.4
DCP1A	3.3	2.9	2.8	3.3	3.1	3.0	1.7	3.3	4.2	2.9	3.0	2.7	3.6	3.8	2.2	3.2	3.2	3.0	3.5	4.6	3.3	3.6	3.7	3.5	2.5	3.1	2.9	3.0	1.8	2.3	2.7	2.7	5.1	4.3	3.5	3.8	4.8	2.7	3.1	4.5
DCPS	3.4	4.0	3.3	3.3	2.9	4.0	2.8	3.2	4.3	3.1	3.9	5.2	3.9	5.4	6.3	3.5	4.1	5.7	3.2	6.6	4.2	4.8	4.7	4.2	2.6	4.7	4.9	5.6	3.8	4.4	4.1	4.9	4.9	4.3	3.0	4.0	4.4	5.4	3.2	2.9
DCTD	8.3	8.1	8.9	10.6	10.5	9.0	7.6	7.5	10.2	9.1	8.6	8.8	10.6	12.1	14.4	9.5	9.0	10.5	8.3	12.6	13.0	11.1	7.9	9.3	7.6	10.3	7.6	11.6	9.1	10.5	8.2	12.3	15.3	11.8	7.5	10.3	12.0	10.9	9.6	9.2
DCTN1	37.0	42.7	37.1	35.0	39.7	40.3	32.8	40.9	45.2	45.2	46.8	35.5	60.9	59.6	55.1	51.4	52.7	45.9	40.2	39.0	47.9	47.3	48.2	39.1	33.2	42.2	57.8	54.7	45.2	52.3	49.6	56.0	39.5	53.3	32.8	59.8	53.7	83.0	59.5	40.3
DCTN2	29.5	30.7	26.2	30.9	34.3	27.4	25.7	28.7	35.4	26.3	31.3	30.7	33.1	37.5	38.4	31.3	32.3	28.8	28.5	36.8	30.2	29.3	28.8	29.2	26.7	32.5	31.1	34.1	26.8	34.4	28.2	32.5	34.2	35.4	30.0	31.1	30.4	30.0	34.9	26.6
DCTN3	25.6	26.3	21.7	26.6	34.5	24.6	30.8	27.2	26.8	22.3	29.7	27.3	30.1	28.2	31.9	26.1	27.4	28.9	26.4	24.3	28.1	25.2	31.3	28.5	22.7	20.6	24.2	29.8	22.0	33.3	25.4	26.8	23.9	26.7	28.6	25.6	30.4	24.2	31.8	24.8
DCTN4	10.7	11.3	12.0	12.0	13.0	10.6	10.0	11.0	14.3	11.8	13.9	11.3	11.0	13.9	10.2	12.8	10.1	15.4	10.9	13.5	13.1	13.4	12.9	11.6	8.8	11.7	15.6	13.3	7.6	9.5	11.2	12.8	13.0	13.2	10.6	13.3	14.3	12.6	13.3	14.6
DCTN6	22.3	19.5	21.9	19.5	23.0	18.4	19.3	18.2	23.4	22.8	22.3	24.0	25.9	26.2	25.5	26.3	24.8	26.0	25.0	25.8	24.9	24.1	25.7	22.2	19.4	21.2	22.3	26.4	19.1	27.2	21.5	26.9	20.8	23.9	25.4	21.5	22.4	22.8	23.8	24.3
DCTPP1	6.9	7.5	5.1	6.1	6.3	7.1	6.4	6.0	6.6	5.6	8.2	7.1	6.7	8.3	5.8	5.5	5.2	5.3	5.8	6.7	6.3	6.4	5.3	6.2	4.7	4.7	6.1	8.3	6.2	5.3	4.9	5.4	4.3	5.4	6.4	5.4	5.4	3.9	5.3	6.5
DCUN1D1	3.4	4.5	3.6	4.0	4.4	3.3	3.2	4.5	5.3	4.3	4.7	4.2	4.8	4.9	3.7	5.0	4.4	5.5	4.1	5.3	4.5	4.0	4.6	4.7	3.4	4.6	4.9	4.8	3.1	3.4	3.6	4.5	5.6	6.6	3.5	5.3	5.8	4.6	5.3	4.4
DCUN1D2	22.4	25.6	20.2	15.0	24.5	17.0	19.2	23.7	18.1	19.7	29.4	21.9	23.9	19.8	13.8	20.3	11.8	23.4	21.5	15.6	18.7	28.7	26.5	27.5	12.8	18.1	28.4	34.7	15.2	27.7	25.2	22.0	10.2	20.7	25.4	20.6	21.6	20.1	26.1	37.2
DCUN1D3	1.3	1.1	1.4	1.3	1.5	1.0	1.3	1.5	1.6	0.9	0.8	0.9	1.7	1.5	2.0	1.4	1.3	1.5	1.3	1.4	1.8	0.9	1.2	0.6	1.0	3.1	1.3	1.5	1.8	1.7	0.9	1.6	5.1	4.2	1.3	1.5	2.3	1.8	2.9	1.5
DCUN1D4	4.7	5.0	4.2	4.0	4.2	4.2	3.4	4.1	5.3	4.1	4.5	4.5	5.2	6.5	5.7	4.5	4.8	5.5	3.9	6.2	4.9	4.7	5.0	4.9	4.0	4.9	3.5	4.5	4.0	3.5	4.2	5.1	5.3	5.0	3.9	3.2	5.6	4.0	4.3	4.8
DCXR	29.7	44.0	40.5	32.7	38.4	46.5	30.7	32.5	31.0	33.1	39.8	45.1	32.6	26.5	21.1	35.6	28.0	38.3	39.9	33.5	33.9	25.0	41.7	35.5	25.8	23.1	35.7	42.1	23.3	37.8	37.0	31.9	29.1	31.9	25.6	34.6	33.3	29.2	33.6	32.0
DDA1	2.6	3.2	2.9	3.3	3.2	3.1	3.0	3.3	3.3	3.6	3.5	3.5	3.3	3.7	3.5	4.0	3.7	3.4	3.3	3.2	3.0	2.5	3.3	2.8	3.0	2.5	3.4	4.0	2.5	3.3	3.0	4.0	3.9	4.2	2.6	3.1	3.5	3.2	3.4	3.2
DDAH1	1.9	5.1	1.9	1.3	2.4	2.3	1.5	2.8	3.8	3.9	2.8	3.2	5.0	12.5	6.0	3.1	7.1	6.2	2.5	6.3	4.1	3.1	3.7	3.3	3.8	6.5	3.1	5.0	5.4	3.0	6.0	10.6	6.8	9.8	2.0	8.8	8.9	10.0	7.7	2.2
DDAH2	17.4	13.2	8.3	13.5	14.6	12.8	9.8	11.1	25.6	19.4	18.9	19.0	24.2	22.2	43.0	15.1	18.9	17.7	19.9	29.5	27.6	18.6	15.0	16.8	21.7	28.6	17.9	26.3	24.7	21.3	20.7	24.1	30.1	26.9	17.8	15.3	18.6	23.2	17.5	13.5
DDB1	28.1	29.2	25.7	26.1	30.3	25.4	23.6	26.5	30.4	27.7	30.8	32.8	32.0	30.9	33.0	31.4	31.5	32.3	28.0	32.1	30.9	30.2	30.1	33.6	20.0	27.6	36.1	33.4	20.4	28.9	23.9	30.6	30.2	35.4	24.9	30.4	30.2	33.8	35.0	32.1
DDB2	1.9	3.0	2.0	3.2	3.3	3.6	2.9	2.4	3.7	2.7	3.1	2.8	4.9	5.0	9.1	2.1	4.4	3.1	2.8	5.2	3.0	3.4	2.6	2.4	2.6	3.0	3.5	3.5	4.0	4.1	3.3	2.5	8.8	3.6	1.9	2.4	2.9	2.5	4.2	3.9
DDHD2	7.1	6.8	6.8	8.6	10.0	6.2	6.5	8.3	8.9	7.4	9.5	7.5	7.0	9.0	8.4	8.0	8.8	10.3	7.8	10.9	7.3	9.3	9.3	7.4	6.5	7.9	7.2	8.8	6.1	6.2	6.5	7.9	8.8	9.8	7.4	7.9	7.4	7.5	8.5	9.9
DDIT3	7.7	9.7	6.2	5.2	8.2	12.2	6.3	5.9	11.8	6.4	11.6	9.7	11.7	18.0	13.8	8.9	7.9	8.9	7.2	11.4	10.5	10.1	9.3	8.8	9.2	13.5	9.8	9.4	6.5	16.6	9.1	7.0	23.0	13.7	9.1	8.3	10.2	5.9	11.3	5.9
DDIT4	5.3	14.9	21.0	14.8	21.2	18.4	24.3	15.1	11.6	5.9	6.7	9.5	10.2	28.1	23.1	11.7	20.2	16.9	13.1	5.8	31.0	6.2	6.0	7.5	28.6	88.4	41.2	46.7	44.8	24.9	53.0	46.2	60.6	53.5	37.2	42.5	49.9	34.5	32.8	28.6
DDO	5.9	6.1	5.8	5.5	7.7	6.3	7.5	9.2	6.5	6.9	9.9	7.2	7.2	6.2	4.8	6.5	5.7	11.0	6.1	8.8	7.3	7.5	5.4	7.1	4.4	4.5	8.2	9.2	4.7	5.5	4.6	6.4	3.3	8.0	7.5	5.6	9.0	3.5	5.2	7.1
DDOST	32.2	29.2	29.7	43.5	48.8	32.6	29.6	30.4	39.6	31.3	38.9	40.8	36.5	39.2	39.2	34.2	36.5	31.6	35.6	42.1	43.6	37.4	38.0	35.6	23.3	27.9	34.4	34.0	25.0	31.4	24.2	30.0	35.0	37.6	29.2	31.0	34.3	34.3	29.9	32.0
DDR1	2.8	4.5	2.6	6.4	6.9	3.8	2.4	3.2	7.7	4.6	5.0	5.4	6.3	12.3	11.4	5.6	8.6	5.8	4.3	7.1	5.8	5.4	6.1	3.9	5.0	5.3	8.0	5.3	7.8	5.7	10.7	8.6	7.0	10.9	5.2	8.9	11.6	13.1	13.7	4.2
DDR2	3.6	1.9	3.1	1.6	2.1	3.2	2.2	3.9	5.5	2.2	3.1	0.4	1.0	2.1	1.1	1.9	3.0	3.4	5.2	9.4	3.2	3.4	1.2	1.6	2.0	2.2	1.0	1.2	0.7	0.7	1.2	1.2	5.8	3.0	2.4	4.6	3.0	0.9	1.0	4.7
DDRGK1	6.5	11.7	9.1	16.9	9.7	10.1	9.2	11.1	13.1	9.1	11.5	11.3	11.3	12.3	15.8	10.2	10.3	10.9	11.4	12.4	12.1	11.0	11.3	12.3	9.0	9.2	11.5	11.9	8.0	11.5	10.8	12.2	16.7	10.6	10.9	10.8	10.4	10.6	12.7	12.1
DDT	37.1	35.4	41.4	48.7	77.9	59.8	45.1	49.9	34.8	31.5	40.4	50.4	44.6	53.6	40.7	35.2	30.5	40.3	38.5	41.9	45.9	42.0	34.8	40.2	37.1	32.3	39.6	41.9	42.5	57.4	42.2	43.3	29.9	48.5	34.1	38.4	37.8	38.7	34.5	40.4
DDX1	37.6	34.1	45.3	36.4	43.8	48.9	40.0	45.3	36.9	48.2	41.2	35.9	46.6	37.7	35.3	42.4	31.1	34.0	30.4	41.7	37.3	40.9	41.2	49.1	25.6	39.0	41.0	43.4	27.0	38.1	34.5	38.7	27.2	33.2	31.5	38.6	40.3	29.2	37.3	53.5
DDX10	1.7	2.1	1.9	1.9	2.3	1.7	2.1	2.1	2.2	2.1	2.5	1.6	2.1	3.1	2.7	1.8	2.0	2.2	1.5	2.3	2.0	2.3	2.0	2.1	1.8	2.5	2.1	2.2	2.2	2.1	1.8	2.3	3.8	3.0	2.0	1.9	2.2	1.9	2.2	2.5
DDX17	71.9	81.5	59.0	55.1	85.3	75.1	53.7	71.7	87.9	75.3	78.9	73.6	75.4	63.6	74.1	66.5	66.8	81.1	75.3	108.3	75.5	62.9	70.5	77.1	64.3	78.0	77.3	73.1	53.8	61.3	71.8	64.7	117.6	88.7	91.5	60.3	98.4	55.9	75.9	82.4
DDX18	6.0	6.4	5.7	5.5	6.7	5.6	4.5	5.6	8.3	7.0	6.3	6.8	9.1	9.6	7.1	6.2	8.0	7.2	6.5	10.1	7.8	6.7	7.4	7.2	4.7	7.3	6.9	7.2	5.3	7.4	5.8	7.0	10.4	9.5	6.9	7.0	8.1	7.2	7.3	7.5
DDX19A	6.0	7.8	7.7	6.7	9.9	7.1	7.5	8.1	8.7	7.7	7.2	8.1	9.0	9.5	9.6	8.9	6.6	9.3	7.4	9.9	8.7	8.4	7.2	8.3	5.7	8.7	9.8	9.0	6.6	7.4	7.6	9.4	9.3	9.5	7.1	9.1	9.9	7.9	9.4	9.5
DDX19B	7.7	7.5	7.6	7.3	9.0	8.0	7.5	7.1	7.9	7.0	7.7	9.1	10.4	9.3	10.5	8.5	8.9	6.9	7.1	8.2	9.8	7.9	8.0	8.8	7.0	7.1	9.1	9.1	6.5	9.4	7.5	7.3	8.9	7.3	7.3	7.7	8.0	7.3	8.5	8.7
DDX20	2.2	2.4	2.5	2.4	2.8	2.3	1.8	2.4	2.8	2.3	1.6	2.4	2.1	2.7	2.5	2.6	2.4	2.1	2.0	2.4	2.6	2.6	2.5	2.6	2.2	1.7	2.6	3.2	1.9	2.0	2.1	2.2	2.7	2.7	2.3	4.4	3.6	2.2	3.0	2.7
DDX21	6.5	7.2	9.7	10.4	7.8	5.9	6.6	7.3	9.5	7.9	6.2	5.4	6.3	8.5	6.2	9.1	8.5	8.4	7.6	8.8	7.2	6.6	6.9	6.0	5.9	9.9	7.5	6.6	4.1	4.7	5.1	10.2	19.0	14.6	6.9	9.6	11.2	11.6	10.1	7.4
DDX23	10.0	12.1	9.4	12.3	11.0	11.0	9.6	10.6	14.8	12.1	11.9	10.6	14.8	13.2	17.2	10.4	11.0	11.9	10.8	13.1	13.1	11.4	12.6	12.0	8.4	11.7	13.9	12.1	9.2	11.4	11.2	11.4	19.1	13.9	11.2	11.4	13.1	10.8	16.1	12.2
DDX24	47.5	46.7	52.5	42.4	43.1	49.3	39.3	39.0	54.4	49.7	53.1	55.9	53.8	45.6	47.9	54.8	53.8	48.4	44.1	49.1	45.5	47.2	53.6	64.4	40.5	47.8	61.7	50.4	35.2	52.9	31.5	49.8	52.2	62.3	48.9	44.0	49.3	44.2	52.7	50.4
DDX27	5.8	6.2	4.4	5.9	5.8	5.7	4.9	5.1	7.3	6.5	5.6	5.0	6.9	6.6	9.2	7.5	7.2	6.0	5.7	7.6	6.0	5.4	6.0	6.0	6.8	7.8	7.7	7.0	5.0	7.8	5.1	7.1	15.1	9.6	7.2	6.9	7.5	7.0	9.2	6.7
DDX28	1.8	2.2	2.7	2.1	3.4	2.9	2.2	2.4	3.3	2.5	3.4	3.5	2.6	3.9	2.6	2.6	2.4	3.4	2.6	2.9	2.7	3.3	2.6	3.1	2.7	2.0	2.9	2.5	1.9	3.1	2.4	3.3	1.7	2.2	1.9	2.6	2.8	2.4	2.1	2.5
DDX39A	5.7	7.0	5.4	10.6	8.6	5.9	6.3	6.8	8.0	5.4	4.5	4.4	6.0	7.8	8.2	6.2	5.7	4.0	5.6	6.7	8.6	4.8	5.0	5.3	7.0	8.1	6.7	5.7	8.4	6.7	6.6	8.6	12.5	8.7	9.2	6.9	6.6	8.6	8.1	5.1
DDX39B	35.9	37.9	33.0	32.7	41.4	39.5	33.1	35.4	52.2	45.5	47.9	49.7	55.4	48.6	55.6	42.8	45.9	47.9	47.3	53.1	58.7	46.8	45.1	48.1	42.6	52.5	52.8	49.2	45.4	60.3	50.9	49.9	72.8	51.8	51.0	42.6	54.7	47.9	53.1	45.0
DDX3X	27.5	35.0	26.2	27.7	29.0	24.1	21.3	28.6	33.7	29.7	24.4	19.0	27.7	26.9	19.4	29.8	42.9	28.9	38.1	34.5	23.8	23.0	34.6	22.6	19.3	27.5	29.9	22.8	13.7	26.3	17.8	26.7	91.8	39.2	36.9	33.5	35.3	28.3	50.3	31.5
DDX3Y	8.3	0.0	7.7	7.5	8.6	9.8	7.4	8.9	11.1	12.2	10.7	8.3	11.2	10.5	9.4	11.0	0.0	12.0	0.0	14.4	9.7	9.2	0.0	8.1	8.3	12.6	10.3	8.2	5.7	12.7	7.7	9.6	0.3	17.4	0.0	12.0	14.9	8.8	0.1	10.3
DDX41	4.2	5.0	5.8	5.8	6.7	5.5	4.0	5.1	7.1	5.2	5.9	6.8	5.5	6.8	10.4	4.2	6.2	6.3	6.1	7.4	6.9	4.8	5.5	6.3	5.5	5.5	6.2	5.6	5.2	6.6	5.3	6.1	8.6	6.8	6.0	5.3	5.6	5.7	5.9	5.7
DDX42	17.7	18.9	17.6	17.3	19.8	17.4	14.9	17.3	20.4	17.1	17.6	16.9	20.7	23.4	23.6	19.2	21.3	18.9	16.5	21.0	20.4	18.9	19.8	18.0	16.8	19.6	21.7	20.4	16.4	19.3	14.7	18.2	29.2	21.8	19.3	18.9	22.5	21.0	20.3	18.9
DDX46	5.9	6.2	6.2	6.3	5.6	5.7	5.9	6.1	6.9	5.7	5.8	4.9	6.7	6.6	5.1	5.8	6.6	6.5	5.5	7.4	4.9	5.9	6.1	5.3	4.6	6.1	6.2	5.4	4.0	5.2	4.5	5.3	8.9	6.7	5.2	6.8	6.5	4.8	6.3	7.5
DDX47	7.9	8.4	7.9	7.2	7.4	7.4	6.6	6.5	8.8	7.6	6.7	7.6	9.4	9.6	9.8	7.1	7.0	8.6	6.4	9.5	9.9	6.4	7.8	7.7	6.0	9.3	9.1	9.3	6.7	9.4	7.5	9.6	11.7	10.2	6.5	8.8	8.9	8.3	9.2	8.3
DDX49	4.5	6.5	5.5	6.7	7.0	6.6	5.1	5.4	7.5	5.2	5.6	7.4	7.7	8.6	7.2	4.1	5.4	5.8	6.6	6.4	7.4	7.2	6.3	6.0	5.3	6.2	6.1	6.5	6.0	5.2	5.7	5.8	7.0	7.6	5.5	5.6	8.1	6.5	7.0	4.8
DDX5	64.5	79.2	77.0	79.9	93.0	73.1	68.8	76.7	100.0	80.0	74.2	73.9	82.9	85.4	90.5	71.7	72.1	77.8	73.7	99.8	84.1	76.5	61.9	67.2	82.2	87.1	78.4	85.4	64.8	101.6	69.8	91.2	181.5	129.5	77.8	107.8	115.5	93.9	115.6	90.8
DDX50	5.5	6.1	5.5	4.9	6.3	5.9	4.8	4.7	7.8	6.9	7.2	6.7	8.8	9.9	8.1	6.0	6.7	6.7	5.9	8.9	7.2	5.6	6.5	6.1	4.6	7.6	7.2	6.6	6.0	8.1	4.7	6.8	9.9	8.7	6.1	6.6	8.6	6.7	6.5	6.4
DDX52	2.5	2.1	2.1	2.0	2.5	2.1	1.8	2.5	2.5	2.6	2.6	2.4	2.9	3.3	2.3	2.4	2.1	2.6	2.1	2.4	3.1	2.3	2.6	1.7	1.5	1.8	2.6	2.5	1.3	2.1	2.2	2.3	2.8	3.0	1.9	2.2	3.6	2.1	2.1	2.2
DDX54	3.2	5.0	3.6	5.8	5.0	4.4	3.9	4.0	5.3	4.5	4.2	4.9	4.6	5.0	6.0	4.4	5.0	4.1	5.4	4.2	5.0	4.6	5.5	4.5	4.0	5.0	5.9	6.1	3.4	4.9	4.2	4.8	6.3	5.5	4.1	4.5	4.2	4.8	6.0	4.9
DDX56	7.1	8.3	7.1	9.0	10.0	8.2	6.5	7.6	10.2	8.0	8.2	8.4	8.3	11.0	11.5	7.6	7.2	8.4	7.9	8.6	11.1	8.4	7.3	7.6	9.7	8.6	8.0	10.3	8.8	9.9	10.8	9.1	12.4	10.2	8.6	8.0	10.4	7.8	9.4	7.0
DDX58	1.5	1.0	0.7	1.1	1.7	1.4	0.6	1.0	2.2	1.0	1.1	0.8	5.6	1.2	1.3	0.9	1.1	1.2	1.5	3.3	1.4	1.5	0.8	3.0	1.2	1.0	1.2	1.4	1.0	1.0	1.4	1.2	1.8	1.6	0.9	1.6	1.2	0.8	0.9	2.1
DDX59	3.9	4.2	2.9	4.4	4.1	3.7	3.5	3.6	4.1	4.7	3.4	3.6	4.6	5.1	4.1	4.3	3.9	4.4	3.5	4.2	4.2	3.9	4.5	4.4	3.6	4.9	4.5	4.2	3.4	3.8	3.1	4.5	5.9	4.3	3.6	3.9	4.3	3.4	4.7	5.5
DDX6	14.2	14.5	12.3	11.7	12.1	13.0	10.5	17.9	19.4	15.6	15.8	14.0	13.1	14.4	11.3	15.8	13.7	18.1	15.6	19.0	13.0	13.0	18.6	16.6	12.4	14.7	13.4	14.2	7.6	9.7	12.5	14.4	16.2	17.6	15.2	15.2	14.8	10.4	14.6	18.5
DDX60	1.1	1.0	0.6	0.8	1.1	1.3	0.7	1.2	2.4	1.6	1.7	1.4	3.5	1.3	1.4	0.9	1.7	2.0	1.9	3.5	1.6	1.4	1.6	2.7	0.7	1.6	1.2	1.1	0.8	1.3	1.4	1.3	2.4	2.3	1.5	1.9	2.0	0.7	1.3	2.6
DEAF1	2.4	3.0	2.5	2.8	4.6	3.3	3.0	3.1	4.0	2.6	3.1	3.2	2.2	4.0	6.5	3.1	2.5	2.2	2.5	4.0	3.5	3.6	1.8	3.2	2.7	4.3	2.7	3.4	2.7	3.6	3.5	4.1	4.4	3.2	3.4	3.5	5.2	3.7	3.2	2.6
DECR1	132.7	134.0	141.5	126.5	106.5	110.4	130.3	105.7	100.3	78.6	140.1	94.5	99.4	74.9	65.9	109.8	83.0	102.7	89.6	95.7	117.3	109.1	107.0	90.6	81.9	64.0	120.0	100.2	57.7	107.1	106.0	106.6	54.7	89.5	123.2	106.4	99.4	79.5	111.3	132.4
DECR2	3.2	2.9	3.8	4.2	3.9	4.3	2.8	2.6	4.1	3.1	4.5	4.0	3.6	5.2	4.2	3.1	3.4	4.2	3.1	2.3	3.7	4.1	2.5	2.4	3.4	2.3	2.9	4.8	3.1	4.3	4.3	4.3	2.8	3.8	2.7	3.4	4.3	4.4	2.8	1.7

DPY19L1	5.5	5.1	3.4	3.8	5.3	5.2	4.2	5.1	4.7	3.6	3.8	3.6	3.5	4.4	3.2	4.4	3.7	4.3	4.1	5.3	4.3	4.2	4.3	4.1	3.4	4.3	4.0	3.2	2.4	2.1	4.1	4.6	3.3	4.4	4.6	4.1	5.3	4.3	4.9	5.0
DPY19L2	10.6	16.2	8.3	10.5	14.3	9.6	5.9	8.5	8.6	10.8	11.4	10.5	10.3	13.1	7.6	6.4	12.6	10.0	9.5	12.0	13.5	12.4	14.3	11.7	7.7	11.1	10.0	10.2	8.5	11.3	17.0	7.1	8.9	9.1	9.9	8.5	16.2	7.9	12.8	11.2
DPY19L4	3.7	4.3	3.2	3.1	4.6	3.2	2.6	3.1	2.7	2.2	3.3	3.0	3.2	4.1	2.3	2.8	2.9	3.8	3.2	5.3	3.2	2.4	2.6	2.3	1.7	3.0	2.7	3.2	1.6	1.5	3.1	2.9	3.4	3.3	3.3	3.1	4.4	2.0	2.5	3.1
DPY30	9.9	8.9	8.1	9.5	7.9	7.8	8.6	7.9	9.3	7.2	8.3	7.5	9.7	10.4	11.0	7.6	8.2	9.8	9.3	8.9	9.6	7.2	8.9	8.4	6.5	7.8	10.7	9.1	5.7	10.9	8.2	9.7	11.6	9.0	9.0	9.3	8.3	8.0	9.2	10.3
DPYD	2.8	2.3	1.4	1.8	3.1	2.4	2.0	2.1	2.5	2.1	2.3	1.6	3.3	1.8	3.4	2.1	2.5	2.6	2.4	4.4	3.0	2.1	1.6	1.8	1.1	3.1	2.4	2.2	1.6	2.2	2.1	2.1	8.9	3.6	1.6	2.2	3.8	2.2	2.7	2.5
DPYSL2	16.5	21.0	14.2	12.5	18.8	17.8	13.5	18.3	20.3	15.1	13.8	16.3	17.9	17.9	27.3	17.1	19.4	21.0	17.1	22.1	24.4	17.4	19.3	20.7	17.9	23.3	22.4	19.7	17.1	14.7	15.1	16.2	30.6	28.3	17.8	19.4	19.6	16.3	31.8	18.9
DPYSL3	7.8	6.0	3.4	4.6	13.1	7.6	4.9	9.1	19.9	12.1	10.2	5.8	12.8	28.1	47.4	7.6	29.2	10.4	10.6	33.1	14.5	13.4	7.2	6.8	7.5	23.1	7.6	10.5	20.9	7.8	6.0	13.6	20.2	17.2	5.9	9.5	10.7	11.6	8.7	9.9
DPYSL4	10.3	19.1	3.8	4.1	6.6	9.2	10.5	8.0	3.5	8.7	7.9	5.5	8.5	4.8	2.6	9.8	3.5	8.5	7.1	2.7	8.9	7.1	10.3	4.9	3.4	8.1	7.8	15.9	5.1	15.3	16.0	15.4	5.4	13.3	13.2	10.8	17.6	16.2	18.7	9.6
DR1	6.1	7.5	6.2	6.8	7.4	6.4	6.5	8.1	9.0	6.4	6.4	7.0	7.2	8.9	8.1	9.5	6.4	8.8	6.8	10.9	7.0	6.7	7.8	8.0	6.1	7.9	7.3	9.4	5.4	4.5	6.6	9.4	9.8	12.0	7.8	7.8	8.7	7.4	10.8	8.1
DRAM2	7.9	8.5	10.2	10.2	9.4	7.1	7.5	8.5	10.1	7.5	6.9	6.4	10.1	6.3	10.7	9.4	6.5	6.8	9.7	9.2	8.3	6.9	7.5	8.5	7.4	7.9	6.8	9.3	7.2	7.5	6.2	7.8	12.0	6.3	8.9	7.3	9.4	3.9	7.1	11.4
DRAP1	26.4	30.2	28.2	38.3	27.7	26.1	29.3	26.1	28.5	25.5	27.4	26.5	24.3	31.6	34.9	24.9	27.7	27.1	26.9	26.8	29.0	25.9	28.3	25.8	28.4	28.0	32.5	33.0	24.8	29.6	36.7	36.0	26.2	31.2	28.5	30.9	29.6	32.8	31.8	24.3
DRG1	19.9	18.5	16.4	20.7	20.9	18.2	16.1	15.2	15.3	18.0	16.0	19.7	21.2	18.8	16.3	18.7	16.5	13.2	17.0	14.0	20.0	15.6	19.4	18.9	11.3	15.3	21.7	17.7	13.2	20.6	15.6	14.9	18.7	17.1	17.8	15.0	20.6	14.5	19.5	19.0
DRG2	4.6	5.2	4.2	5.8	8.6	6.4	4.7	5.0	6.4	5.0	7.1	6.9	6.5	6.9	8.6	5.9	5.7	5.8	6.3	6.1	7.3	6.3	6.0	6.1	5.4	5.8	7.6	6.0	6.8	7.5	6.7	5.8	8.5	7.0	5.8	6.3	5.9	6.0	6.2	6.0
DROSHA	4.5	5.0	3.9	4.5	4.8	3.6	4.3	5.8	6.1	5.3	5.4	4.7	4.7	5.5	5.5	4.7	4.8	5.0	4.7	5.7	5.5	5.0	6.0	5.0	4.4	4.7	5.7	5.1	4.3	3.3	4.7	5.1	6.9	5.7	4.4	5.0	5.9	4.9	6.3	5.3
DSC2	4.8	6.8	5.5	6.3	5.1	3.3	5.9	4.8	5.4	3.2	4.2	2.9	3.9	3.4	1.9	4.9	4.6	4.8	4.2	4.3	3.2	5.1	4.6	3.8	2.8	3.5	5.0	3.3	2.3	2.0	2.5	4.6	3.0	4.2	5.0	3.6	4.9	3.4	4.4	5.4
DSCR3	7.4	8.4	7.7	7.4	7.9	6.4	5.9	6.7	8.0	7.3	7.5	7.4	7.7	8.3	7.8	7.6	7.9	7.8	5.9	8.2	8.2	7.3	8.3	6.7	5.2	6.4	10.4	8.6	5.1	5.9	6.2	7.4	10.0	8.7	7.2	7.9	7.9	7.4	8.0	6.3
DSE	2.2	2.2	1.7	2.0	3.8	2.4	2.4	2.8	3.4	3.3	2.1	1.8	4.4	4.6	5.8	3.0	3.0	3.2	3.4	5.4	4.9	2.8	2.8	2.1	2.4	4.8	2.3	2.9	2.8	3.1	1.9	2.3	10.6	6.2	2.2	4.4	4.3	3.3	3.7	2.8
DSG2	13.0	9.8	9.9	9.9	7.7	6.9	7.8	8.4	12.2	8.7	9.1	6.8	6.2	8.2	3.8	7.9	8.3	9.5	8.8	11.1	7.2	10.5	10.6	9.2	6.5	7.1	7.5	7.1	3.5	4.2	4.7	6.2	5.5	8.0	7.3	8.7	9.3	4.2	6.6	10.0
DSP	122.5	72.7	65.9	52.9	66.4	71.2	74.2	93.2	64.9	62.0	74.5	52.7	55.7	49.3	23.6	86.9	58.7	61.8	55.4	51.8	43.1	57.6	55.5	63.4	42.2	42.4	70.3	59.1	28.2	31.5	35.0	50.8	28.3	59.6	60.7	58.7	60.8	31.6	56.5	89.4
DST	27.2	23.5	22.5	22.8	23.6	26.2	17.0	24.3	35.6	33.7	33.2	26.8	23.2	32.8	17.5	25.6	35.5	35.5	28.2	34.0	24.1	30.1	31.8	32.6	26.6	26.4	26.3	28.2	16.2	17.9	25.1	25.2	22.9	31.1	29.6	30.0	32.8	30.4	31.1	31.6
DSTN	249.6	146.9	204.2	251.1	284.8	219.7	202.4	233.9	154.9	154.1	183.2	154.5	237.4	267.1	251.9	244.1	194.0	184.3	157.4	208.6	200.6	157.3	192.5	177.9	138.9	171.0	207.6	162.1	161.8	218.6	143.4	222.0	184.3	225.2	196.9	204.3	209.1	155.9	241.1	194.3
DTD1	5.6	5.9	4.1	7.8	5.8	7.6	5.8	6.0	7.0	5.0	7.2	7.8	7.7	6.9	9.0	7.5	6.6	6.0	6.7	7.4	7.8	6.2	7.3	7.3	4.6	7.2	7.7	7.8	5.1	5.8	5.3	7.4	7.8	5.8	6.7	5.9	7.1	6.0	6.2	5.9
DTNA	44.9	46.3	42.3	54.6	46.8	50.4	38.1	42.8	41.8	43.8	54.6	50.4	44.4	54.3	35.6	45.7	40.4	55.5	46.3	40.3	44.1	51.5	46.4	49.5	38.5	37.3	57.2	48.8	31.6	42.7	44.7	51.9	25.3	47.7	55.6	44.6	50.8	39.2	46.4	48.2
DTNBP1	5.5	6.5	5.2	12.0	6.2	6.8	7.3	4.5	6.6	5.7	5.1	7.2	6.2	7.1	10.0	5.8	6.5	4.7	5.6	7.0	7.2	7.0	6.5	6.4	6.1	6.1	7.4	7.1	6.6	8.1	6.3	6.0	8.9	6.3	6.3	5.4	6.9	6.3	8.3	8.1
DTX2	1.7	1.5	2.0	2.5	2.2	1.2	1.1	2.1	2.1	1.6	1.3	1.7	1.8	2.6	2.8	1.8	1.7	0.9	2.2	2.3	2.7	1.6	1.9	1.9	1.5	1.9	2.5	2.8	1.4	2.3	1.8	2.3	3.8	2.0	1.8	2.2	3.2	3.7	2.4	1.9
DTX3	9.2	9.2	6.8	8.0	9.7	12.8	7.9	9.4	11.3	8.8	10.1	11.2	10.2	11.8	16.3	9.9	9.3	9.5	11.9	13.2	9.1	8.9	9.8	11.3	10.1	8.7	8.9	11.7	10.7	9.9	12.7	11.1	8.5	7.9	9.0	7.4	9.2	6.7	9.2	9.2
DTYMK	2.4	1.6	1.2	2.3	3.1	1.5	1.6	2.2	2.5	1.6	2.4	2.5	2.7	3.0	2.9	2.0	1.9	1.7	3.0	3.7	2.6	2.4	1.9	2.1	2.0	2.2	2.0	2.6	2.4	3.2	2.3	2.3	3.1	2.7	2.7	3.0	3.2	1.5	2.1	2.0
DUS1L	11.8	12.5	12.9	16.4	16.5	13.1	12.0	11.7	12.0	10.9	12.9	13.2	12.1	12.5	13.7	9.8	10.9	10.5	12.7	13.0	13.1	9.9	9.7	11.2	11.1	9.3	11.5	12.9	10.6	14.8	12.4	13.6	16.3	12.6	12.8	12.3	14.1	12.6	10.3	12.1
DUS3L	2.7	4.3	3.1	2.7	5.2	3.1	2.8	2.4	2.7	3.2	3.9	2.9	2.5	3.9	3.8	2.3	2.9	2.9	3.0	4.9	3.2	3.7	3.0	2.4	3.1	3.3	5.2	5.5	2.1	3.8	2.9	4.4	6.1	3.8	4.8	4.2	3.3	4.5	3.5	2.8
DUSP1	38.7	15.0	15.5	14.4	22.4	35.2	37.0	14.7	18.2	57.6	20.0	22.3	32.0	36.4	143.3	43.6	26.3	16.2	37.5	56.7	23.1	32.8	11.6	13.4	108.8	203.7	119.4	87.8	28.5	222.6	32.6	80.0	505.4	134.3	36.7	76.6	132.9	120.5	143.7	146.2
DUSP11	3.6	3.6	2.9	3.6	4.9	3.8	2.9	3.9	4.2	2.9	3.5	3.9	3.6	4.4	4.8	4.8	3.3	3.6	2.6	4.5	4.1	3.5	3.5	3.0	4.0	4.6	5.8	3.3	2.4	3.8	4.1	4.7	8.0	4.3	3.3	4.5	5.1	3.3	4.6	4.0
DUSP12	2.4	3.0	2.4	3.5	4.4	2.1	3.0	4.0	3.4	2.8	3.3	2.8	3.2	3.2	4.7	3.8	3.7	2.8	2.3	2.9	3.5	2.9	2.9	2.1	2.9	2.8	3.2	3.7	3.0	2.3	2.6	4.0	5.3	4.1	3.3	4.0	4.2	2.9	2.9	3.4
DUSP13	6.9	11.0	6.3	6.5	4.9	5.6	6.8	4.1	3.6	5.0	5.1	6.1	5.2	9.8	2.2	4.9	3.3	3.5	4.7	2.1	5.6	3.9	3.2	2.8	3.8	5.1	4.2	5.1	3.7	7.1	9.4	10.4	4.1	4.0	2.7	7.2	6.6	7.5	9.1	2.3
DUSP14	6.4	4.7	4.9	4.7	5.8	6.2	4.1	3.9	5.4	5.8	5.2	4.1	6.7	7.3	5.7	5.1	6.9	5.4	4.2	6.6	7.2	6.4	4.8	4.6	4.7	4.2	7.2	5.6	5.1	5.7	5.2	5.3	6.0	5.8	4.7	6.8	5.3	4.3	5.5	4.5
DUSP15	0.9	0.4	0.2	1.0	1.4	1.7	0.6	0.4	2.1	0.7	3.5	3.4	1.2	1.6	1.9	1.5	1.3	1.7	1.1	1.4	2.1	1.2	1.5	1.5	1.9	0.4	1.6	0.6	0.8	1.2	1.5	1.4	0.5	2.3	1.2	1.1	0.7	1.0	0.9	0.7
DUSP16	2.1	2.3	2.6	2.0	3.0	1.9	1.7	2.6	3.5	3.5	3.1	2.7	3.2	3.2	3.3	2.8	3.5	4.2	4.1	4.7	3.1	2.9	3.3	2.6	2.4	3.6	3.0	3.6	1.6	1.8	2.2	2.7	7.2	5.0	3.7	3.9	5.7	2.7	3.7	2.9
DUSP2	0.5	0.2	0.4	0.4	0.0	0.5	0.5	0.1	0.2	0.5	0.7	0.5	0.5	1.1	0.5	0.6	0.4	0.3	0.6	0.8	0.5	0.2	0.3	0.3	1.8	2.0	1.0	0.8	0.7	4.9	0.6	0.8	14.5	2.8	0.5	1.1	2.1	1.3	1.3	2.7
DUSP22	6.3	10.6	8.5	10.3	10.9	8.8	10.5	9.7	9.9	8.9	7.9	8.6	8.2	9.8	10.4	8.3	9.8	8.3	8.3	10.5	9.1	8.1	9.6	10.5	5.4	9.8	4.8	10.0	8.7	7.9	8.4	9.4	9.6	9.9	7.2	9.8	8.9	8.1	14.4	10.2
DUSP23	5.3	5.4	4.7	7.1	6.4	4.9	5.8	4.7	6.2	4.3	2.7	5.2	7.8	6.1	10.8	6.1	5.7	4.5	5.4	5.5	10.2	3.6	3.8	4.8	4.1	5.4	4.9	6.2	4.0	5.9	4.8	7.4	13.3	4.5	4.1	6.0	5.9	4.4	6.3	2.7
DUSP26	26.7	28.5	20.1	21.4	27.0	33.2	24.0	17.6	29.0	36.8	35.7	41.2	37.1	39.8	29.7	35.5	35.1	33.6	27.8	24.1	30.1	26.6	34.1	34.9	26.9	26.4	36.9	36.5	23.9	27.2	23.8	31.0	17.2	29.9	22.4	23.3	30.4	22.0	26.5	22.5
DUSP27	31.5	34.2	58.5	31.8	40.4	23.9	21.3	23.8	39.2	44.7	47.3	42.4	40.3	51.6	74.8	29.8	66.8	49.3	39.7	36.9	38.3	48.3	54.2	38.4	22.9	38.2	102.7	64.1	27.3	43.9	60.3	78.3	62.6	65.1	39.1	119.6	71.6	93.1	42.5	48.5
DUSP3	58.0	46.2	60.3	63.6	52.6	38.2	45.1	60.7	60.0	63.2	63.5	57.6	50.4	66.5	43.8	62.2	54.8	65.7	56.2	45.4	55.4	61.3	63.6	60.2	32.6	47.8	65.7	69.6	35.1	41.7	49.7	58.5	36.2	61.1	52.0	61.6	57.2	62.8	47.3	56.7
DUSP5	4.0	2.1	2.5	1.8	1.8	4.3	1.9	2.0	3.2	6.6	4.6	3.6	5.6	5.1	7.1	10.7	4.6	5.4	6.2	8.4	3.5	4.5	4.2	4.1	9.6	17.9	5.9	4.7	1.7	28.4	4.9	7.8	47.0	14.6	4.8	7.6	8.1	5.6	10.6	5.9
DUSP6	6.3	4.3	4.8	5.3	4.6	5.7	3.2	4.9	10.6	9.4	8.6	8.0	10.9	8.9	29.6	8.7	7.3	9.7	10.7	9.3	14.0	6.8	8.5	8.1	6.7	13.0	9.4	9.7	5.7	19.3	5.3	11.5	34.1	15.0	5.3	8.0	10.5	10.7	13.6	16.9
DUSP7	3.7	4.0	2.8	3.7	3.9	4.7	3.4	5.0	4.5	3.3	3.7	4.1	3.4	4.8	6.3	3.1	3.1	3.6	3.7	4.2	3.9	3.1	3.8	4.0	2.7	2.9	3.6	3.4	3.5	1.9	4.0	4.1	3.7	5.4	4.3	3.2	4.1	3.8	4.3	3.0
DUSP8	3.5	2.5	4.6	1.9	4.7	3.3	2.4	2.6	4.5	8.6	5.1	5.3	5.7	5.4	4.3	5.3	6.2	5.1	8.1	5.5	4.8	4.7	4.7	2.9	3.2	5.4	5.0	5.2	1.5	3.8	3.3	4.3	10.0	7.7	6.4	5.0	9.3	4.5	2.2	3.6
DUT	7.0	6.7	5.5	5.4	8.2	7.4	5.5	6.1	6.7	7.2	7.4	7.6	8.9	9.0	9.9	5.1	5.0	7.3	6.3	9.5	7.3	6.2	5.2	6.4	6.0	6.9	7.0	6.9	6.7	8.5	6.1	7.1	10.0	9.0	7.7	6.7	7.9	6.1	7.6	6.5
DVL1	22.1	17.0	19.4	24.4	20.3	18.7	20.9	20.3	16.6	16.6	19.0	14.4	17.6	24.4	16.5	18.9	16.9	16.6	17.6	13.0	15.7	16.1	13.2	13.6	11.7	13.2	17.9	19.8	14.1	14.2	16.0	21.3	15.3	19.1	15.8	14.7	20.8	16.9	15.0	14.4
DVL2	3.5	3.5	2.5	3.1	3.8	2.9	2.6	2.4	4.1	3.5	4.2	4.2	4.1	4.2	5.8	2.8	4.2	3.8	3.6	4.3	4.3	3.5	3.3	3.4	3.8	3.4	4.6	5.0	3.7	3.1	3.1	3.8	5.4	3.9	3.8	3.2	4.3	2.7	3.5	3.6
DVL3	11.4	15.2	14.0	12.9	13.1	11.1	11.5	11.6	11.9	11.2	13.5	10.8	10.4	14.1	17.6	11.2	13.2	12.4	12.5	14.9	13.3	14.3	11.7	11.8	9.0	14.1	14.5	16.3	9.4	9.7	11.5	14.1	14.2	15.0	11.4	12.2	13.3	15.9	12.1	11.4
DYM	7.9	7.8	7.5	9.1	8.0	7.5	7.3	9.0	8.4	6.6	8.9	6.4	8.9	9.2	6.3	8.7	7.4	9.2	8.0	8.2	7.9	7.9	8.1	7.7	5.0	7.1	7.8	8.4	4.6	5.7	5.4	7.7	8.6	8.2	7.0	7.0	7.7	8.1	8.1	9.9
DYNC1H1	28.1	26.1	24.4	23.9	27.8	23.6	21.1	24.6	32.8	27.8	31.6	27.7	26.6	27.2	23.5	24.2	31.2	30.6	26.8	31.7	30.5	28.9	30.7	31.6	18.8	23.3	26.2	28.1	17.2	17.1	21.0	22.5	23.6	30.1	21.6	28.6	29.1	26.2	26.4	28.6
DYNC1I1	8.6	6.5	9.6	9.9	8.3	10.1	7.6	7.2	7.7	6.2	9.8	7.9	11.8	6.7	6.3	11.8	6.6	11.8	8.4	9.3	8.5	8.1	7.6	9.0	5.9	4.3	9.2	8.9	5.7	4.8	4.6	9.0	6.0	10.1	7.9	10.4	10.7	8.4	8.6	6.2
DYNC1I2	20.7	19.6	18.9	18.8	21.4	18.4	17.5	19.2	20.2	19.8	21.1	18.5	25.0	23.1	24.3	18.8	19.0	22.2	17.4	24.9	19.4	19.3	18.4	19.0	15.4	20.1	21.8	20.1	16.1	22.7	19.8	21.8	23.9	24.6	19.7	22.3	23.1	20.6	22.7	21.8
DYNC1LI1	19.6	18.3	14.2	13.6	16.6	14.6	17.6	15.4	19.2	18.8	20.3	18.0	18.3	23.8	18.4	20.4	19.8	16.9	16.9	17.7	18.4	17.8	20.6	17.4	12.9	15.9	21.5	18.3	9.5	19.7	15.6	18.8	15.2	17.6	17.1	15.3	18.3	18.2	22.1	19.1
DYNC1LI2	17.8	16.3	15.3	15.9	21.0	16.1	12.9	18.6	24.6	20.9	20.8	17.8	27.2	29.1	23.8	19.6	27.7	26.3	20.6	28.7	21.4	20.0	20.4	18.6	16.3	22.1	22.7	21.5	19.7	17.4	17.3	20.1	29.0	34.5	20.3	22.9	28.2	24.0	22.4	21.6
DYNC2LI1	2.9	2.6	1.9	1.9	2.7	3.7	2.8	3.5	4.6	4.1	4.8	4.5	5.8	4.7	7.1	4.2	5.0	5.1	4.4	6.2	4.7	4.1	4.2	3.9	3.4	4.1	3.0	4.2	4.1	4.9	2.6	3.4	5.0	4.7	3.8	3.5	3.7	2.7	3.8	3.9
DYNLL1	49.8	30.9	23.2	35.4	43.8	38.2	26.3	41.5	62.6	56.8	42.6	48.7	71.5	78.8	96.5	49.2	61.4	52.1	56.2	83.1	66.3	48.6	42.9	51.7	43.6	52.2	46.3	55.5	56.6	46.9	53.7	62.4	80.7	95.3	57.0	56.4	71.8	62.9	43.6	28.2
DYNLL2	75.4	69.3	57.8	85.6	56.5	72.7	58.8	66.7	74.8	70.9	83.0	73.0	90.9	85.1	57.4	81.6	58.8	79.3	68.6	71.3	62.8	71.1	83.6	81.5	61.5	56.7	103.5	83.0	63.1	73.8	54.1	64.7	42.2	82.5	77.3	75.3	70.2	69.4	83.2	85.2
DYNLRB1	65.2	66.6	63.2	68.7	65.9	69.5	66.8	73.8	70.8	70.5	69.1	70.4	74.1	79.2	83.3	67.7	84.7	71.9	70.9	66.0	68.0	63.0	73.4	65.9	66.6	74.0	87.2	87.6	54.6	83.1	69.0	73.7	75.2	67.9	73.1	62.9	75.8	65.5	82.2	63.4
DYNLT1	28.2	24.0	26.4	30.2	25.4	25.6	21.5	26.3	31.9	33.1	26.6	34.4	39.4	42.2	39.3	23.4	34.8	32.7	37.0	31.7	39.0	26.4	33.6	34.3	28.8	36.0	40.8	36.9	27.6	38.3	38.3	39.1	30.4	35.1	48.7	38.0	45.5	47.5	40.9	32.3
DYNLT3	5.1	5.2	5.1	7.2	7.0	4.8	4.5	4.7	6.4	6.9	4.8	7.7	9.1	14.2	9.4	5.6	8.1	7.1	5.8	7.9	7.3	6.6	5.8	7.2	4.4	8.7	6.1	7.1	7.3	5.6	5.4	8.2	8.4	8.0	5.0	6.6	6.3	8.9	6.4	4.9
DYRK1A	10.6	13.3	9.5	9.9	11.3	8.2	9.5	10.1	12.1	10.0	11.8	10.1	9.2	13.0	9.3	9.8	12.1	12.2	9.8	11.3	9.1	10.5	11.1	10.2	10.5	11.3	14.8	10.9	6.8	7.4	13.1	12.5	17.9	12.9	14.7	16.2	14.2	12.4	13.5	13.1
DYRK1B	3.9	4.5	3.6	5.3	5.0	5.6	4.9	6.3	7.4	6.6	8.6	7.8	9.2	6.9	6.9	7.6	6.3	5.8	9.3	6.2	5.7	8.0	9.3	7.8	6.0	6.3	8.3	10.4	6.1	8.0	6.4	6.8	5.8	6.9	8.7	5.7	8.2	5.0	8.6	8.7
DYRK2	7.3	5.3	4.7	3.8	4.9	5.3	3.7	6.0	7.7	5.1	6.2	3.9	4.8	5.9	4.4	4.3	4.6	6.2	5.4	7.1	4.3	4.8	5.6	4.8	3.5	4.9	4.0	4.4	3.3	2.2	3.8	4.4	3.6	5.8	3.8	5.0	5.2	4.5	5.5	7.4
DYRK3	3.3	1.5	1.3	1.6	2.1	2.7	1.8	2.1	2.8	2.7	2.2	1.4	1.4	2.5	1.7	1.4	1.5	2.1	2.3	3.7	1.2	1.6	2.8	1.5	2.1	2.7	1.8	1.6	1.8	2.0	1.7	1.9	4.4	3.4	2.1	1.2	1.8	1.6	3.4	2.3
DYRK4	3.2	3.1	3.8	2.7	2.0	2.7	3.0	2.1	2.6	2.4	3.1	3.6	3.2	3.0	4.0	2.6	3.1	3.6	3.5	3.8	2.7	3.4	3.2	3.7	2.8	2.2	3.8	2.9	2.4	2.9	2.7	2.8	2.9	2.4	2.8	2.5	2.8	2.6	2.8	3.2
DYSF	10.3	10.4	9.7	11.5	10.0	7.8	5.6	9.4	8.9	10.4	11.1	8.2	12.3	13.6	10.0	12.1	9.7	13.3	11.9	8.3	10.5	11.0	10.6	8.4	5.5	9.7	13.8	13.6	8.4	11.6	15.3	14.5	7.5	13.0	9.8	16.5	15.4	21.5	16.1	10.4
DZIP3	3.7	2.8	2.9	2.2	2.6	3.5	2.7	4.6	5.3	3.7	4.5	3.0	3.5	3.8	2.3	4.0	3.8	6.0	3.8	5.3	3.4	3.9	4.3	4.6	3.2	2.9	3.9	3.3	1.8	2.6	2.4	3.6	2.5	4.8	3.0	3.9	4.1	2.7	3.5	4.8
E2F4	8.1	9.6	9.3	12.6	13.0	9.0	8.7	9.8	11.0	9.2	7.9	8.5	12.6	11.2	12.5	9.1	10.5	8.8	9.6	9.8	9.6	9.7	8.0	8.9	8.7	8.8	11.8	10.6	10.0	10.2	9.7	11.5	15.3	13.5	10.6	11.0	13.1	11.5	10.7	8.6
E2F6	2.8	3.5	2.9	3.3	4.3	2.7	2.1	2.7	3.5	2.8	3.7	3.7	3.5	4.8	3.5	3.3	3.2	3.7	2.2	3.7	2.9	2.5	2.9	3.0	3.1	2.4	3.8	3.7	2.6	3.0	2.9	4.2	4.4	4.4	4.0	4.9	5.4	3.7	4.4	3.3
E4F1	3.6	4.0	3.7	4.5	4.4	5.2	3.3	3.8	4.8	3.3	3.7	4.0	3.7	4.7	5.1	3.7	3.6	2.8	4.0	4.0	4.4	3.9	3.3	3.1	3.3	3.2	4.7	4.4	3.1	4.6	4.1	4.4	4.7	4.2	4.5	3.3	3.8	3.5	4.4	3.0
EAF1	1.7	1.7	2.1	1.2	1.7	1.4	1.6	1.9	2.0	1.9	1.8	1.9	1.8	2.0	2.4	1.4	1.5	2.2	1.8	2.7	2.3	1.7	1.6	1.6	1.3	1.7	1.8	1.8	1.2	1.6	1.6	1.6	3.6	3.0	2.0	2.6	2.3	1.9	2.4	2.1
EAPP	6.0	8.7	6.8	7.7	11.7	9.3	8.2	7.7	10.8	8.8	7.2	9.8	11.6	11.2	14.9	9.5	10.8	7.9	8.5	11.3	10.0	10.7	9.9	9.3	9.2	8.9	14.4	10.1	8.0	10.0	8.0	8.9	13.3	6.5	9.8	9.7	10.2	6.1	10.8	10.4
EARS2	3.3	3.6	3.3	4.1	3.2	3.7	3.4	4.1	5.1	3.9	3.9	4.6	3.7	3.9	3.1	3.8	2.8	6.3	3.1	4.8	4.0	4.9	3.5	4.9	3.1	2.6	2.9	5.1	2.1	3.3	3.8	5.3	1.9	5.0	2.7	5.2	3.7	4.6	4.0	4.4
EBAG9	8.3	8.3	7.3	7.9	7.2	6.2	7.1	7.0	7.8	7.6	6.5	7.6	9.2	9.0	9.2	7.0	7.5	7.5	6.8	7.8	7.8	6.5	8.7	7.1	6.3	6.6	8.7	8.9	5.4	7.7	6.8	7.3	9.7	7.4	8.2	5.6	9.6	5.5	9.0	7.9
EBF1	2.2	2.2	0.9	1.2	3.7	2.5	3.1	2.5	2.5	1.9	2.1	1.2	2.6	1.8	4.6	1.8	1.7	1.9	2.4	4.1	5.4	1.8	1.7	1.5	2.1	3.8	1.9	2.3	2.4	2.3	2.0	1.7	6.2	2.1	2.3	2.2	1.9	1.5	2.9	3.4
EBF2	3.5	2.8	2.3	2.4	4.7	4.1	3.3	4.4	4.0	2.1	2.8	1.5	3.3	3.0	3.1	3.7	3.1	3.0	3.7	5.8	4.9	3.5	2.5	2.5	1.4	5.1	2.7	3.7	3.5	1.5	2.9	3.9	4.0	3.4	1.9	2.8	5.1	2.5	3.0	5.7
EBF3	3.2	2.3	1.5	1.9	3.1	2.7	2.5	2.4	2.7	1.4	2.9	2.0	3.6	2.0	4.7	2.8	2.1	2.4	2.5	4.5	4.4	2.5	2.9	2.2	1.6	3.0	1.9	2.1	2.6	1.9	2.8	2.6	4.4	1.9	1.7	2.2	2.3	2.1	2.7	3.9
EBNA1BP2	8.6	12.3	10.5	13.9	10.6	12.2	10.8	10.5	11.5	11.6	10.4	12.2	11.1	14.4	14.3	11.1	10.7	11.3	10.3	12.1	13.8	11.7	11.3	11.2	10.7	8.8	12.9	11.3	11.0	14.7	9.7	13.0	13.2	12.4	10.0	11.5	12.3	13.1	12.1	10.6
EBP	11.6	13.8	11.0	11.2	12.2	8.0	10.7	9.3	10.1	8.8	9.1	13.2	7.6	11.7	8.3	9.7	8.5	6.8	9.9	9.7	9.9	10.4	11.3	9.8	6.3	8.1	10.4	8.6	8.5	10.9	11.0	8.5	7.1	9.2	7.4	10.7	8.0	5.8	11.0	9.5
ECD	5.6	4.9	5.7	5.1	7.2	5.4	4.2	2.8	6.6	5.8	5.3	6.0	6.3	5.9	6.6	7.0	5.9	6.1	6.0	8.3	5.6	5.3	5.8	5.1	4.6	6.4	7.3	6.6	4.3	6.7	4.8	6.8	9.7	7.4	6.5	5.3	8.0	5.1	5.3	6.8
ECE1	16.8	15.5	13.1	11.3	21.9	17.3	13.9	17.1	19.1	13.2	14.3	14.3	13.6	20.6	28.5	19.0	16.6	13.5	16.5	16.5	18.6	13.9	14.3	13.0	13.1	14.9	16.0	13.6	11.0	11.4	14.8	14.9	25.8	17.0	12.6	15.1	14.7	12.9	18.5	13.5
ECH1	207.8	189.5	220.5	202.9	212.8	199.1	261.0	252.8	195.7	183.6	171.3	196.4	216.3	161.6	153.3	155.5	175.7	157.4	200.4	135.9	215.6	189.5	187.9	196.3	178.9	143.4	211.1	199.1	140.0	186.3	175.9	194.4	108.6	180.0	284.3	176.8	184.7	182.5	196.5	208.9
ECHDC1	5.2	10.8	11.2	11.3	11.8	9.1	11.1	10.1	10.5	10.3	12.7	10.4	12.7	13.8	12.4	10.1	10.7	11.2	10.0	13.2	25.6	11.9	13.2	9.4	8.4	8.0	11.3	8.3	9.6	11.2	8.9	12.5	10.6	10.9	9.1	11.3	11.1	10.7	11.1	11.1
ECHDC2	22.6	24.3	21.4	16.5	17.6	22.1	21.6	15.8	19.1	14.2	21.0	19.1	21.3	16.2	27.8	14.8	15.5	18.5	16.3	22.7	18.7	17.4	18.3	16.4	25.6	17.2	25.2	26.3	16.1	26.9	26.2	17.4	22.3	22.0	28.7	19.4	22.5	16.4	23.9	23.3
ECHDC3	11.5	16.1	20.4	24.6	17.0	16.3	20.7	19.2	12.9	12.0	14.8	18.7	14.2	14.5	11.2	11.5	13.3	11.4	14.2	12.5	20.3	17.1	17.2	17.6	21.5	10.2	28.8	15.1	9.6	17.1	11.5	10.7	13.9	14.6	25.3	21.9	26.3	18.6	25.9	20.8
ECHS1	90.5	74.3	78.8	84.7	77.4	88.4	84.6	79.2	91.3	82.3	107.2	81.4	106.0	81.7	80.8	88.9	70.0	91.0	70.2	86.7	108.3	86.3	79.5	96.9	81.4	61.3	78.6	93.3	71.0	96.2	79.6	90.7	41.9	89.4	67.2	91.9	86.8	70.0	72.6	89.9
ECI1	33.8	33.4	37.2	30.0	29.3	30.8	35.3	25.3	29.1	26.9	35.2	31.6	28.3	28.0	20.0	26.1	24.5	29.3	27.6	25.8	28.2	29.5	30.5	29.3	26.0	23.6	37.6	31.9	23.3	39.6	36.4	29.3	20.8	33.7	35.8	29.6	32.9	25.3	27.0	27.0
ECI2	52.4	59.8	59.5	57.6	54.2	60.8	58.6	58.6	49.5	53.9	65.3	66.3	70.2	53.3	52.9	62.1	56.3	72.1	51.4	57.7	59.1	55.0	64.9	75.5	44.2	44.0	57.4	58.5	35.5	64.7	56.5	59.9	33.8	62.8	58.1	52.4	56.5	47.5	67.3	70.0
ECM1	7.9	7.6	6.1	5.7	14.4	8.9	6.2	11.7	17.0	10.8	11.2	8.3	10.2	9.1	32.3	7.9	8.4	8.3	13.1	25.7	20.7	10.3	8.1	7.9	6.9	14.4	5.9	8.3	16.7	8.4	5.1	10.7	10.1	15.6	6.6	13.1	10.4	9.9	7.0	8.5
ECM2	3.7	2.8	1.6	1.3	3.7	3.8	2.6	2.9	7.3	5.1	5.7	3.3	8.9	7.7	18.0	6.3	6.0	7.1	4.8	19.8	8.5	5.6	3.7	4.5	3.8	12.7	5.8	5.5	7.4	5.4	3.7	8.7	9.6	13.8	3.2	7.1	6.0	5.3	4.5	6.1
ECSCR	6.4	5.5	7.8	8.9	5.3	3.8	4.7	7.6	7.9	6.1	5.9	5.5	5.4	3.6	12.6	3.7	6.1	6.9	5.5	7.5	7.0	5.5	7.0	4.2	5.2	9.2	4.8	7.6	4.0	4.3	9.3	6.4	11.5	4.6	5.2	4.4	4.7	4.1	6.9	5.7
ECSIT	34.8	35.1	37.3	37.7	37.4	44.9	36.1	36.6	32.2	30.3	35.6	29.9	32.6	29.2	23.4	30.8	23.0	34.6	31.3	26.5	26.9	34.3	26.7	31.1	29.0	25.0	36.0	37.9	21.2	36.5	32.3	35.1	18.5	33.7	31.3	32.8	35.0	33.0	29.4	33.4
EDC3	2.9	2.4	3.0	2.5	2.7	2.2	1.9	2.4	3.3	2.8	2.5	3.1	2.7	3.8	3.3	2.5	2.5	2.3	3.1	3.4	2.6	2.7	3.0	2.6	2.7	2.5	2.7	3.3	2.4	2.6	2.9	3.0	5.8	3.6	3.0	2.7	4.1	3.1	3.5	3.0
EDC4	5.3	6.4	5.4	7.5	7.7	5.5	5.0	6.6	7.1	5.9	5.4	7.0	7.1	7.2	8.6	6.4	6.0	5.0	6.1	7.1	6.6	5.0	5.8	6.4	6.1	5.9	7.2	7.1	5.3	6.4	6.7	7.4	9.3	7.7	5.8	6.0	8.5	6.8	7.3	6.3
EDEM1	1.7	2.0	1.4	2.0	2.3	1.4	1.7	1.6	2.5	1.8	1.6	1.4	2.3	2.2	2.0	1.9	1.9	1.9	1.8	3.5	2.1	1.5	1.6	1.5	1.5	1.9	1.6	1.6	1.0	1.4	1.7	1.8	5.5	2.6	1.8	2.3	2.5	2.1	2.3	2.0
EDEM2	2.0	2.5	3.2	4.3	3.4	3.0	3.5	2.4	4.0	3.6	3.6	3.0	3.3	6.0	5.8	3.4	4.2	2.1	2.6	3.1	4.8	3.1	2.8	3.5	2.8	4.0	3.8	2.9	3.1	4.9	4.2	4.1	5.0	2.8	2.6	3.9	4.3	4.1	3.8	2.5
EDEM3	3.3	3.2	3.3	3.3	2.7	3.1	2.1	3.7	4.3	3.0	2.9	2.4	3.2	3.5	2.2	2.9	3.1	4.1	3.7	4.9	3.7	2.8	2.9	2.4	2.7	2.7	2.5	2.7	1.7	2.2	2.4	2.6	5.0	5.8	3.1	3.5	5.8	3.2	3.6	3.2
EDF1	121.4	128.8	117.7	127.9	109.2	102.2	112.2	120.6	123.0	139.0	147.3	152.8	125.9	119.8	164.2	116.3	136.0	123.3	134.4	131.4	121.7	114.9	148.4	136.9	110.8	117.2	141.8	137.2	101.8	145.9	158.6	144.8	137.0	133.3	125.4	116.6	115.0	104.5	129.4	118.9
EDIL3	3.5	1.5	3.8	2.9	1.1	0.7	0.3	0.8	3.6	2.9	1.8	0.4	3.2	5.7	3.9	0.8	7.7	2.2	2.4	7.7	3.0	1.8	0.9	1.0	1.4	5.0	1.5	3.7	2.1	1.4	1.9	2.3	6.3	7.9	1.2	4.7	13.7	3.0	1.6	2.4
EDN1	0.6	1.3	1.8	1.1	3.7	1.9	1.8	1.2	2.7	0.8	1.2	0.9	1.2	2.8	6.4	0.7	1.2	1.1	0.9	2.3	1.8	0.3	2.1	1.4	0.8	3.2	1.1	0.6	1.2	1.9	1.6	1.2	4.7	1.6	2.1	0.8	3.0	2.0	5.7	1.2
EDNRA	4.0	4.0	4.7	5.6	5.1	2.8	4.0	5.2	8.5	7.5	7.5	5.0	8.4	7.2	7.3	8.2	7.6	5.5	6.1	7.7	7.3	12.1	13.3	7.6	5.7	5.8	5.8	8.3	4.5	6.8	8.9	8.1	7.5	6.4	5.6	8.7	13.0	11.9	14.6	10.9
EDNRB	6.3	11.4	10.7	11.8	13.8	9.5	10.9	10.0	8.2	9.7	4.8	8.0	5.0	6.0	7.6	8.9	5.9	5.6	9.7	7.2	8.2	3.2	5.6	3.8	8.0	15.0	4.6	10.5	5.9	9.7	7.8	8.2	21.5	14.8	7.5	8.1	8.2	6.6	9.4	4.6
EEA1	3.0	3.0	3.3	1.8	2.0	1.9	1.8	3.4	4.1	2.5	2.6	1.9	2.3	3.0	1.9	2.0	3.4	3.5	3.0	4.6	2.7	2.6	3.2	2.6	2.5	2.8	2.2	3.1	1.6	1.3	2.7	2.9	2.8	3.6	2.2	3.3	3.7	2.8	2.7	3.5
EED	2.5	2.4	2.0	1.6	2.5	2.0	1.9	2.3	3.1	1.6	2.9	2.7	2.9	2.5	3.3	3.6	2.0	2.8	2.9	3.4	2.7	2.7	2.7	2.4	2.5	1.7	3.2	2.6	1.6	3.2	2.3	2.5	4.3	4.4	2.6	2.7	3.1	2.3	3.4	2.4
EEF1A1	279.1	261.1	175.2	234.5	657.2	333.1	249.8	426.1	496.6	312.3	324.4	610.8	465.6	560.2	1121.4	319.9	556.6	510.0	424.4	904.8	737.9	354.8	342.8	541.5	454.1	586.6	323.6	307.6	478.9	392.7	247.5	335.9	1367.2	654.9	322.3	308.6	502.7	413.4	413.4	240.3
EEF1A2	267.6	361.5	277.1	295.9	325.2	348.3	253.6	261.1	233.8	281.6	334.0	395.6	340.9	323.1	200.6	266.1	319.6	298.9	349.0	226.8	264.2	323.5	369.0	327.5	211.7	251.7	364.4	409.8	182.8	361.0	325.0	282.1	177.3	269.6	295.8	333.2	329.0	386.1	358.0	283.2
EEF1B2	88.6	102.7	88.6	107.6	126.2	75.4	89.0	91.0	88.8	83.2	89.3	98.9	92.6	105.9	126.1	77.8	97.6	101.1	84.1	106.5	114.4	91.0	97.4	88.0	70.5	100.5	105.2	96.2	60.9	109.9	89.7	94.8	180.8	99.0	95.0	89.8	99.8	94.5	106.0	86.6
EEF1D	137.4	135.6	114.9	134.0	172.5	131.9	117.6	139.6	126.2	136.6	146.0	158.6	131.9	128.6	145.6	110.2	139.2	124.9	159.1	128.8	156.3	117.3	108.5	142.0	139.4	144.1	155.9	169.5	102.3	176.3	156.3	107.2	182.2	134.2	171.3	127.5	158.9	129.0	114.2	121.1
EEF1E1	4.2	4.5	4.2	5.4	3.8	4.3	4.6	4.2	5.1	3.6	3.0	5.2	4.2	4.3	4.2	5.5	4.1	3.3	3.7	4.0	4.3	3.5	4.0	4.8	3.0	3.7	4.1	5.3	2.5	4.3	3.6	4.1	3.5	3.6	5.7	4.7	3.5	3.7	3.8	3.9
EEF1G	302.1	353.1	257.1	288.1	432.0	324.0	249.2	365.7	332.8	320.4	368.8	408.8	357.9	384.4	429.7	259.5	375.6	372.8	363.7	378.8	450.3	342.0	401.0	379.7	303.8	380.3	367.6	374.5	259.0	395.6	329.8	315.8	514.4	365.5	388.9	286.9	395.3	358.5	383.7	327.0
EEF2	396.9	484.8	362.7	414.4	558.8	452.1	349.2	400.7	383.4	411.9	441.3	592.5	365.4	343.7	466.0	410.5	489.3	442.3	468.3	395.6	540.6	454.5	555.2	577.6	318.8	411.4	532.4	596.1	231.3	393.4	348.6	336.8	502.3	398.3	438.5	412.7	531.0	481.2	558.2	480.3
EEF2K	3.2	2.7	2.6	2.8	2.1	2.0	2.8	2.9	3.2	1.7	3.3	1.8	2.2	1.9	2.5	2.8	1.9	2.6	2.7	3.4	2.7	2.5	2.7	2.3	1.7	2.3	2.9	2.7	1.4	1.9	2.1	2.1	4.3	2.2	2.1	2.4	3.6	1.9	3.0	3.2
EEFSEC	6.2	7.3	5.7	6.4	9.0	7.1	5.3	7.0	6.5	7.6	6.9	10.8	8.0	7.3	6.3	5.4	8.0	7.8	10.1	5.8	7.5	7.5	7.4	7.3	6.6	6.7	10.4	10.6	5.8	8.8	7.8	5.9	5.8	7.7	8.5	5.0	8.9	7.9	6.3	6.3
EFCAB2	2.1	6.7	4.0	2.0	1.7	3.9	5.2	5.9	4.8	3.2	4.4	1.5	3.3	7.3	2.4	6.5	5.9	4.7	1.3	4.9	2.9	2.0	5.0	6.6	4.6	3.8	4.2	4.1	1.6	6.8	2.2	7.2	4.8	3.7	1.8	4.4	3.5	1.5	6.9	5.5
EFCAB4A	3.1	3.9	1.6	3.4	2.7	2.9	2.3	1.9	2.9	1.6	2.5	3.4	1.9	3.2	2.2	1.5	1.4	2.1	3.9	2.1	1.9	2.2	2.8	1.9	2.0	1.8	2.7	2.5	2.3	4.4	3.9	2.0	2.1	3.2	3.6	2.2	2.4	1.7	3.0	3.1
EFEMP1	15.1	10.0	9.7	11.9	17.3	11.3	14.3	12.2	25.4	14.8	12.7	9.8	34.7	44.1	74.5	13.4	24.7	18.9	18.2	90.5	45.0	17.3	6.9	12.8	15.8	40.5	8.2	14.7	32.5	6.3	5.6	11.9	53.2	32.3	6.8	16.5	18.1	13.4	13.5	11.5
EFEMP2	19.8	17.4	16.5	19.3	28.9	19.0	17.9	20.9	23.2	17.6	20.4	23.2	26.2	39.0	39.7	19.7	25.6	18.0	22.5	27.3	29.6	21.9	23.7	22.1	22.7	26.5	22.8	25.7	26.7	27.6	20.4	27.5	26.5	26.4	23.5	22.0	25.7	26.0	21.0	20.4
EFHA1	26.4	28.0	24.1	24.1	27.2	22.5	23.1	23.6	22.9	23.0	27.9	24.8	28.4	24.1	21.9	25.4	20.8	25.0	20.3	23.7	26.6	24.7	23.5	27.2	18.9	20.4	30.1	26.5	18.9	24.5	22.2	23.1	16.8	25.6	24.1	26.9	24.2	21.1	26.8	29.3
EFHD1	9.0	9.6	6.8	6.8	18.5	13.9	11.1	8.8	11.5	8.1	10.1	11.9	12.7	12.7	27.7	12.6	10.7	9.1	10.0	11.3	12.6	13.7	10.5	12.0	14.8	15.9	14.2	10.6	13.5	14.9	8.4	10.9	13.8	15.7	14.8	18.5	10.7	11.0	24.6	10.6
EFHD2	4.1	4.9	4.7	5.3	7.3	5.1	4.8	4.3	7.2	6.4	6.7	6.5	7.1	3.7	8.4	6.1	5.5	5.9	6.1	6.0	7.3	5.6	4.9	5.3	5.1	5.6	6.2	6.4	5.2	6.4	6.5	6.6	12.7	6.3	4.8	5.8	5.3	6.9	6.2	5.5
EFNA1	7.2	13.9	10.1	13.4	8.1	10.2	7.0	7.0	10.3	8.9	11.1	10.1	6.9	10.4	11.9	6.5	5.8	7.5	8.8	9.1	10.5	10.4	10.9	9.3	7.2	11.0	12.9	13.0	6.5	13.6	17.1	13.0	12.8	13.6	14.8	13.1	14.9	15.0	19.8	7.6
EFNA5	2.5	2.2	1.8	2.0	2.4	1.5	2.5	1.6	2.9	2.5	2.7	2.5	2.2	4.9	2.7	2.5	2.8	2.6	2.6	1.8	2.7	2.6	3.7	2.5	1.9	3.1	3.2	3.6	2.1	2.8	3.1	2.7	1.7	2.2	3.3	1.6	4.3	3.2	3.5	3.0
EFNB1	5.1	6.2	5.9	6.9	9.7	7.4	6.9	6.7	7.2	3.1	3.8	5.4	4.8	6.7	8.4	3.8	3.5	4.9	5.1	6.5	6.7	4.2	4.8	5.7	4.4	5.0	7.7	6.1	4.4	7.0	7.2	5.4	10.0	7.5	4.6	6.2	8.1	6.6	5.4	6.9
EFNB2	5.7	4.7	2.8	4.4	5.4	5.4	3.5	4.3	4.8	6.3	4.2	4.9	3.4	6.1	7.5	5.7	4.9	5.3	6.0	6.0	4.9	5.0	4.7	4.5	2.2	7.4	3.9	3.9	2.7	3.7	5.6	5.4	11.3	5.5	2.2	4.8	4.7	4.0	4.5	6.4
EFR3A	8.4	8.4	9.4	7.4	10.0	8.9	7.6	13.8	12.3	10.8	9.3	8.9	9.2	13.1	7.2	11.5	11.2	17.2	11.0	15.3	10.7	9.5	11.0	10.8	9.3	9.1	10.8	11.6	7.4	6.0	8.0	11.1	11.2	16.2	10.6	12.8	16.0	11.5	10.1	12.1
EFS	0.8	1.1	1.0	0.9	1.7	1.6	0.7	1.6	2.3	1.4	1.6	1.3	2.2	1.5	5.5	1.2	1.0	1.3	1.7	4.0	3.0	1.8	1.1	1.0	1.9	3.0	1.4	1.9	2.0	1.6	1.2	1.8	4.0	2.7	1.5	1.4	1.8	1.5	1.6	1.2
EFTUD1	4.7	4.0	3.4	3.1	4.0	3.9	3.9	3.4	3.7	2.9	3.9	3.5	4.2	4.7	3.3	3.5	3.6	4.0	3.9	4.1	3.5	3.9	3.3	3.7	2.5	2.8	3.0	4.0	2.5	3.6	3.0	3.8	3.3	3.6	3.2	3.9	4.2	3.6	4.3	4.5
EFTUD2	7.0	8.8	7.5	9.7	9.2	8.2	6.9	7.9	8.9	7.4	7.0	7.6	9.8	10.9	8.7	9.6	7.9	7.9	7.7	7.4	9.1	7.6	8.3	8.1	6.4	7.5	9.3	9.3	7.0	8.5	6.7	8.4	8.6	9.3	6.7	8.6	8.9	8.7	9.9	8.6
EGFL7	30.2	24.1	22.3	21.7	33.5	38.6	30.1	20.5	36.9	25.3	30.5	41.4	33.3	29.2	49.2	30.9	22.5	27.7	36.7	35.1	39.8	32.2	26.0	28.6	49.5	40.3	30.6	36.3	33.9	56.8	32.2	42.2	63.4	41.1	26.9	36.1	36.6	34.0	30.2	25.0
EGFL8	0.9	1.4	0.8	0.9	2.5	1.7	1.3	1.6	1.9	0.9	0.0	1.5	1.9	1.6	4.1	0.8	1.1	0.0	2.4	2.2	2.1	2.0	1.4	0.8	2.9	4.6	0.8	3.0	0.7	1.6	1.0	1.8	2.8	1.9	1.4	1.3	2.2	1.6	1.4	2.6
EGFLAM	6.9	4.8	3.2	4.5	7.0	7.7	5.0	5.9	4.4	4.1	4.5	5.2	3.4	3.7	4.1	6.3	4.0	5.1	5.3	4.1	4.4	4.6	5.1	4.6	3.3	5.4	3.7	4.1	4.9	6.6	7.5	7.1	3.6	4.0	7.2	3.9	5.4	3.7	6.3	5.8
EGFR	2.1	2.1	3.1	1.5	2.7	2.2	1.8	2.6	1.8	1.1	1.7	0.5	0.8	0.6	1.4	1.4	1.2	1.9	2.0	2.5	2.5	1.6	1.7	1.0	1.3	2.2	3.4	1.0	0.5	1.1	1.3	1.4	8.5	5.2	3.5	4.8	5.3	2.0	3.7	2.8
EGLN1	11.0	11.1	12.2	13.1	13.3	10.5	12.2	10.2	9.1	8.4	9.7	7.9	8.0	9.7	6.6	12.1	6.6	8.2	9.1	7.4	10.5	9.2	10.9	9.0	6.3	8.8	14.8	9.1	4.6	8.0	9.9	11.0	10.1	9.4	10.4	12.5	11.5	10.0	18.0	9.5
EGLN2	6.5	9.1	8.3	11.1	9.6	7.6	8.7	8.9	10.8	8.6	9.2	10.4	10.0	7.8	11.9	8.0	8.4	8.2	10.8	10.0	9.9	7.6	9.1	8.2	8.7	8.4	10.9	7.6	7.4	10.4	8.3	10.4	15.1	13.2	11.4	8.8	8.1	9.5	12.3	8.6
EGLN3	21.8	21.2	33.7	18.8	37.0	17.5	22.9	21.0	30.1	44.3	32.2	35.8	29.6	77.4	38.5	38.1	61.6	37.4	32.7	18.9	39.6	28.5	44.9	31.6	14.8	29.3	49.2	46.6	20.0	42.6	42.1	96.0	52.7	44.8	38.5	86.2	54.3	97.8	30.8	22.5
EGR1	3.9	1.7	1.3	2.5	2.1	8.8	9.5	0.9	14.1	25.6	14.2	5.2	37.0	16.5	191.0	10.4	11.2	6.6	14.2	17.8	8.5	4.8	3.1	3.7	87.7	85.7	46.2	29.5	11.4	229.8	3.3	18.9	600.1	47.7	8.6	32.5	96.3	82.6	86.3	61.1
EGR2	0.2	0.2	0.1	0.1	0.3	0.7	1.2	0.2	2.2	1.8	2.0	0.6	3.8	2.2	3.8	0.4	0.7	0.8	1.1	1.7	0.8	0.6	0.3	0.4	5.7	6.1	1.6	1.8	1.0	17.1	0.2	1.7	32.3	8.2	1.0	2.1	6.3	6.5	15.8	2.7
EGR3	0.2	0.2	0.1	0.4	0.3	0.5	0.8	0.0	2.8	1.5	1.2	0.4	2.7	1.6	1.2	1.2	0.6	0.6	0.8	1.9	0.7	0.3	0.3	0.2	1.8	2.9	0.6	1.0	0.4	5.9	0.4	1.2	18.7	5.3	0.6	1.5	3.1	2.6	9.4	1.2
EHBP1	4.1	3.4	3.3	3.0	4.2	3.4	2.6	3.9	3.5	2.5	3.3	2.1	4.4	4.0	5.1	2.9	3.4	2.6	2.6	4.7	5.5	3.5	2.7	2.8	2.6	4.1	3.2	3.2	2.7	2.8	2.5	2.6	5.7	3.4	2.9	2.9	4.1	3.0	3.0	3.9
EHBP1L1	20.0	19.5	19.4	11.5	17.7	9.5	15.2	9.9	22.8	20.6	14.8	14.0	16.4	24.8	25.8	21.7	24.0	27.6	12.8	16.8	18.2	19.0	15.5	6.5	13.9	19.4	25.0	24.3	27.9	12.1	16.8	27.7	23.3	39.3	10.3	24.6	27.8	38.5	25.7	8.9
EHD1	9.8	10.7	8.3	9.0	11.9	9.4	8.3	10.8	11.5	6.5	8.2	8.3	9.1	9.4	13.2	7.5	6.5	7.9	8.3	7.8	10.5	8.8	9.0	9.2	5.6	6.3	6.7	6.9	7.2	6.2	9.8	10.7	9.7	8.6	6.9	6.4	8.1	8.5	8.9	8.6
EHD2	15.0	11.3	8.8	10.5	14.6	12.7	10.1	13.3	13.4	9.0	10.7	9.4	9.4	9.9	22.3	10.9	10.6	10.0	12.9	15.3	23.3	11.0	11.1	11.1	5.3	13.1	8.4	9.9	8.5	8.7	13.8	12.3	15.7	13.0	7.3	10.5	10.2	9.6	10.5	10.5
EHD3	5.5	6.3	5.6	6.2	5.6	5.7	4.7	8.5	13.3	6.6	7.7	10.6	6.2	16.2	9.7	6.9	7.3	7.5	8.0	14.5	6.1	12.3	6.6	13.1	8.4	7.5	5.4	6.9	7.3	6.4	5.6	7.9	4.0	7.6	7.1	6.9	7.5	7.5	5.0	8.6
EHD4	18.9	18.0	9.4	22.2	12.8	10.8	10.9	14.0	14.2	10.5	11.6	12.5	12.7	15.9	18.0	11.5	10.3	13.0	11.4	12.4	16.2	15.7	11.8	15.2	6.4	13.6	12.3	17.5	9.7	14.7	14.0	15.8	13.1	14.7	13.6	10.9	16.3	14.1	13.3	18.5
EHHADH	4.2	4.5	4.5	3.1	3.3	3.5	3.8	3.9	3.2	4.0	4.3	4.7	3.0	2.5	2.5	4.8	3.0	5.3	3.2	4.6	4.0	4.8	4.1	4.7	2.3	3.3	3.4	3.6	2.5	2.1	2.9	2.9	1.7	2.6	2.3	3.8	2.6	2.6	2.5	4.4
EHMT1	4.0	4.5	3.3	3.9	5.6	4.5	3.7	4.4	5.1	3.9	4.1	4.5	4.6	5.3	6.0	4.1	4.4	5.1	4.6	5.3	5.1	4.5	4.3	4.6	3.6	5.3	4.6	5.8	4.3	4.1	4.0	4.7	8.0	5.7	4.0	4.9	5.4	4.6	4.9	5.3
EHMT2	3.0	2.5	1.6	2.4	2.7	3.2	2.6	2.9	4.5	2.0	3.5	3.8	4.3	5.2	6.8	2.8	2.6	3.2	3.5	4.5	4.5	3.0	3.3	3.5	2.7	3.4	3.0	3.6	3.7	3.9	2.8	3.2	4.9	2.9	2.2	2.5	2.8	2.4	2.4	3.4
EI24	16.5	15.1	15.9	18.4	17.6	15.3	16.1	16.5	18.0	16.4	17.3	15.9	15.4	16.8	19.4	15.3	17.4	18.7	15.1	18.1	19.6	14.9	15.5	14.0	11.6	16.9	17.7	17.5	11.2	14.3	13.0	16.5	19.1	18.4	15.8	16.6	17.0	16.1	19.6	15.5
EID1	75.5	85.1	71.1	71.0	84.1	63.4	68.8	80.4	78.9	67.7	81.2	87.6	76.3	81.2	95.7	84.3	77.3	79.1	70.0	89.2	73.1	72.0	77.8	78.3	52.9	71.5	89.2	79.3	51.9	73.1	71.0	92.3	68.8	88.5	76.1	77.3	79.6	72.6	90.0	80.9
EID2	2.5	3.3	4.0	3.9	3.9	3.8	3.0	3.2	4.3	2.9	3.5	4.4	4.8	4.7	4.5	3.3	3.8	3.7	2.7	4.0	3.6	3.3	3.6	3.4	2.9	3.1	4.4	3.9	3.0	3.3	3.7	3.8	4.1	4.4	3.5	4.1	3.8	2.8	3.8	3.5
EIF1	201.9	228.1	198.3	205.2	176.7	199.1	175.3	164.8	220.2	239.3	256.3	235.2	246.5	205.0	240.1	260.7	218.5	214.4	207.5	224.3	218.0	183.9	231.1	217.3	171.4	204.0	247.4	219.2	150.0	293.0	182.2	207.4	357.3	238.2	230.6	203.6	222.5	187.0	224.1	188.5
EIF1AX	8.6	12.3	8.5	8.1	9.5	7.2	6.5	8.2	10.4	8.8	10.4	9.2	10.2	9.3	8.2	8.9	12.9	9.6	12.4	11.3	10.5	8.5	14.3	8.6	6.7	9.0	9.0	8.6	5.6	7.9	7.7	9.3	14.3	12.1	11.7	9.7	10.6	8.6	14.3	9.9
EIF1AY	60.1	0.2	63.1	48.0	52.4	50.1	61.9	44.9	57.1	56.5	74.2	46.1	74.3	60.2	52.0	69.3	0.1	67.5	0.2	44.4	52.4	56.5	0.3	59.1	48.8	48.1	94.1	84.3	45.1	77.4	64.9	74.2	1.9	64.6	0.3	62.3	61.6	58.2	0.5	73.5
EIF1B	149.5	133.4	85.9	89.4	122.4	100.7	109.9	75.1	96.4	102.7	112.0	112.5	135.4	128.6	80.5	133.6	101.9	107.9	109.5	77.5	116.3	107.8	136.9	115.6	76.7	85.9	117.2	135.3	57.7	124.6	100.7	86.3	90.0	79.3	119.0	71.9	91.6	63.2	122.5	96.3
EIF2A	13.4	14.8	12.3	18.0	17.8	13.9	12.9	12.7	12.5	11.3	13.5	11.6	12.8	13.5	14.3	12.3	12.4	13.3	11.7	13.2	13.0	13.9	13.4	13.6	9.5	13.6	16.0	14.2	7.8	13.7	10.7	11.6	18.3	12.2	13.1	13.4	14.7	12.6	14.1	16.0
EIF2AK1	11.1	11.3	9.8	11.8	12.8	11.5	11.2	10.6	11.8	10.8	12.4	12.6	12.3	14.9	13.0	11.9	11.1	12.4	9.6	10.6	12.4	11.5	12.8	11.8	9.1	12.7	11.7	13.3	9.7	13.3	9.7	11.9	11.4	12.2	10.4	8.6	11.9	10.3	12.4	11.7
EIF2AK2	1.9	1.5	1.5	0.8	1.1	1.5	1.1	2.2	3.9	1.8	2.3	0.7	1.9	1.6	1.0	1.2	1.4	1.8	3.1	3.4	1.5	1.3	1.6	1.7	1.0	1.5	0.6	1.8	0.8	1.1	1.1	1.3	2.1	2.7	1.3	2.5	1.8	0.9	1.2	3.5
EIF2AK3	1.5	2.1	2.4	1.8	4.0	1.5	1.4	1.9	2.7	4.0	2.0	1.8	2.5	4.5	2.8	2.8	4.7	3.3	3.0	3.6	2.2	2.3	2.8	1.9	2.5	5.8	2.5	3.2	1.6	2.0	2.1	2.5	13.9	7.2	4.9	8.8	7.3	3.1	3.6	2.3
EIF2AK4	5.3	4.5	4.2	4.9	5.2	4.5	3.8	4.4	5.5	5.0	6.1	3.3	5.6	6.2	3.3	4.3	5.2	4.0	4.5	4.9	5.2	5.3	4.0	3.9	2.9	3.2	3.6	3.4	2.8	3.2	3.1	3.7	4.9	4.1	4.0	4.3	5.4	3.1	3.3	5.2
EIF2B1	8.7	10.5	6.6	9.9	11.9	12.6	9.3	9.9	12.9	11.3	10.5	10.4	13.1	13.6	12.8	10.2	9.3	10.1	8.8	13.0	12.4	11.2	10.0	9.5	10.1	9.5	12.0	8.9	11.5	12.7	10.2	10.3	13.5	11.7	10.0	10.5	11.5	12.2	11.3	10.8
EIF2B2	5.8	7.2	6.8	6.6	7.2	6.3	6.9	7.6	8.9	6.6	8.3	7.0	6.9	14.8	7.1	8.0	5.3	7.3	7.6	8.8	8.7	8.0	6.0	7.2	6.0	6.0	10.0	11.0	5.2	12.3	6.8	8.7	7.9	8.7	8.2	9.2	9.3	6.8	9.4	6.2
EIF2B3	12.2	11.0	10.2	12.2	13.8	13.7	11.5	11.8	11.7	10.3	12.1	11.7	12.2	11.2	10.3	12.2	8.2	12.4	10.6	13.6	10.8	11.2	10.7	12.1	10.7	8.2	11.1	10.7	9.4	15.8	9.3	13.8	8.2	11.0	10.2	11.8	11.6	9.1	10.7	13.0
EIF2B4	11.2	10.9	9.0	12.8	11.8	7.7	8.7	8.8	11.9	10.3	10.5	12.7	11.0	12.3	11.4	11.0	10.5	8.3	10.2	10.3	11.7	8.3	10.1	10.4	10.9	9.6	12.1	9.4	8.2	10.2	10.1	10.1	15.1	12.9	11.9	9.3	11.3	9.8	12.9	9.1
EIF2B5	8.3	10.1	8.8	10.0	10.1	8.3	8.0	8.7	11.0	9.1	9.3	9.4	10.2	10.5	9.9	9.4	10.1	9.5	8.9	10.2	9.9	8.4	9.3	9.5	7.2	8.2	11.2	9.8	8.3	12.1	9.0	10.2	10.3	10.5	10.1	9.3	10.2	9.5	10.8	9.9
EIF2C1	2.5	2.9	2.1	2.1	2.5	3.0	2.1	3.8	3.4	2.9	2.7	2.4	2.5	3.2	3.2	3.3	2.5	3.0	3.0	3.7	3.0	2.9	3.3	2.9	2.0	2.9	3.0	3.0	2.3	1.8	2.1	2.3	3.3	3.2	2.8	2.2	3.5	2.3	2.7	3.7
EIF2C2	2.1	1.8	2.2	2.8	2.1	1.7	1.9	2.4	3.8	2.7	2.3	1.9	1.8	3.4	1.3	2.3	2.8	2.4	2.8	2.7	2.1	2.3	2.2	2.6	1.9	1.5	2.1	1.6	1.0	1.0	1.4	2.7	4.0	4.1	2.5	3.0	3.3	2.2	2.4	2.4
EIF2C4	5.0	4.9	4.4	5.6	3.9	3.5	4.2	5.2	4.9	5.0	4.4	4.5	5.5	3.7	4.9	5.5	5.3	4.4	5.9	4.8	5.0	5.4	4.8	3.2	4.5	4.9	5.0	2.5	2.6	4.0	4.7	5.6	4.9	4.3	5.1	5.5	4.8	5.3	5.1	[illegible]
EIF2D	9.3	9.1	8.3	8.6	11.2	10.0	7.4	9.8	12.3	9.1	12.8	10.1	10.5	11.1	13.0	11.8	8.4	10.9	9.9	12.6	9.8	9.5	10.2	9.6	9.6	9.8	11.7	11.5	9.3	11.9	9.5	11.2	16.3	12.3	11.0	11.2	12.6	10.3	11.2	10.2
EIF2S1	7.3	7.9	7.7	8.8	6.4	6.1	5.5	7.2	8.7	7.4	8.0	6.8	7.6	8.1	6.1	6.7	6.9	8.1	6.1	7.8	6.8	7.1	6.9	6.8	4.5	7.0	7.3	8.0	5.1	6.9	5.3	6.8	9.7	9.4	6.6	7.8	8.7	7.5	7.9	8.3
EIF2S2	13.8	13.9	14.3	18.4	16.2	13.4	14.4	14.7	16.5	16.0	13.2	14.9	18.4	20.2	16.4	15.0	16.4	14.7	13.9	14.4	15.5	14.1	15.4	14.9	12.9	13.0	15.9	16.7	13.2	17.0	12.6	15.2	18.6	17.0	14.6	14.8	16.9	14.8	17.9	15.7
EIF2S3	10.9	15.7	9.1	12.3	12.7	9.8	10.8	12.0	13.1	12.7	13.6	12.0	13.6	12.9	13.8	12.9	19.5	14.7	13.9	13.9	14.9	12.0	19.8	12.9	10.1	14.4	11.8	14.3	10.0	10.6	10.0	12.2	23.9	14.0	15.5	12.2	13.6	10.8	19.3	14.6
EIF3A	38.5	39.8	33.2	40.7	40.6	30.8	30.7	37.9	41.4	40.5	41.9	32.5	37.3	40.1	23.6	36.1	49.0	42.5	35.5	42.7	36.0	35.7	40.1	37.4	28.1	35.4	37.3	36.4	21.7	28.5	25.1	34.2	47.1	47.5	33.5	45.0	45.7	36.4	36.3	40.7

EIF3B	13.6	15.2	13.8	15.5	17.2	13.7	14.8	14.2	16.5	15.0	15.6	16.3	17.7	16.5	19.0	15.2	15.9	13.3	14.7	15.4	16.7	13.7	16.8	14.1	13.7	13.8	18.5	16.3	14.0	18.1	12.9	16.1	22.1	18.1	17.1	17.0	17.0	15.4	19.2	15.1
EIF3C	39.4	83.5	64.5	69.9	77.6	63.4	25.6	64.5	82.7	60.8	56.9	93.7	78.7	66.3	62.5	61.9	103.1	68.0	57.1	65.5	91.0	62.8	73.5	80.5	64.8	61.9	59.2	67.6	63.4	60.4	44.9	67.6	102.6	77.2	52.0	62.8	85.9	74.0	77.6	70.7
EIF3CL	3.2	8.1	8.6	9.7	9.0	9.5	1.9	8.4	7.2	8.3	3.7	8.1	9.5	6.0	7.4	6.4	16.8	7.0	7.2	6.3	8.8	4.1	10.0	8.1	10.3	9.3	3.6	8.3	8.1	9.0	5.3	7.1	12.0	4.6	5.7	6.4	6.2	4.6	6.4	10.1
EIF3D	26.6	27.5	24.2	28.0	33.6	27.1	23.3	23.7	29.4	28.5	23.5	28.9	31.4	29.7	39.4	27.9	32.7	29.5	26.5	32.2	35.1	31.2	28.2	29.4	24.6	29.3	33.4	31.6	21.1	30.2	24.2	29.1	45.7	32.3	23.8	27.3	33.1	33.9	33.1	29.3
EIF3E	69.5	76.1	57.7	73.3	89.1	69.8	55.9	59.4	58.9	61.8	70.2	70.0	73.1	63.2	86.4	64.2	68.4	74.4	64.5	74.2	91.7	65.1	75.0	68.3	49.4	74.3	78.9	81.5	47.6	70.1	59.4	61.5	122.4	67.5	75.2	57.9	83.6	62.6	85.6	76.8
EIF3F	38.0	40.3	30.8	35.9	54.5	39.3	32.5	45.1	41.8	36.1	44.8	43.1	42.9	43.7	55.8	36.9	44.7	46.8	42.7	46.7	52.0	40.6	45.0	45.5	37.9	39.3	46.1	49.7	29.0	53.3	38.1	38.1	60.5	47.2	43.8	37.9	47.4	41.1	46.6	38.2
EIF3G	52.1	59.7	46.0	62.1	60.7	56.2	47.1	54.4	51.7	48.7	55.4	71.1	51.7	50.2	69.0	47.3	57.2	48.4	56.2	52.1	58.1	45.6	57.8	60.7	51.9	52.0	67.2	64.0	39.4	62.9	52.9	50.4	77.8	53.2	60.5	49.9	54.7	51.3	59.3	57.1
EIF3H	75.0	77.1	61.0	76.1	86.7	82.8	73.7	70.0	68.2	70.7	72.7	80.9	83.0	75.9	84.3	75.0	75.7	74.0	68.3	68.7	88.7	74.7	80.2	76.7	54.4	66.4	90.3	80.9	50.2	82.5	69.0	73.0	88.5	70.9	80.1	68.7	81.7	74.0	89.7	81.5
EIF3I	29.5	28.4	27.7	33.2	34.0	27.7	27.7	29.3	29.9	26.8	29.2	27.6	31.2	31.2	31.2	27.9	28.0	27.7	26.6	31.4	31.6	28.6	28.1	28.8	21.7	27.6	32.4	31.4	22.2	30.8	25.1	30.9	37.8	31.0	27.1	28.0	31.6	31.8	33.2	30.4
EIF3J	12.1	12.9	13.2	15.3	13.1	10.7	11.5	11.0	13.4	13.3	14.1	12.2	16.5	17.7	11.9	13.6	12.1	15.6	10.3	11.9	13.6	11.5	13.4	12.2	9.9	11.2	14.1	13.6	9.1	12.9	13.3	15.7	13.9	16.1	13.2	14.3	15.7	15.8	15.6	14.5
EIF3K	162.0	166.4	166.7	163.7	184.8	163.5	163.6	195.3	147.8	158.4	162.0	186.8	168.8	150.3	132.7	146.3	144.1	156.2	167.5	155.3	154.9	156.4	169.0	169.5	134.9	135.3	169.4	175.3	123.0	183.7	161.9	147.1	122.4	155.0	173.7	153.2	153.2	142.4	152.4	159.9
EIF3L	75.0	82.9	61.6	70.5	104.0	76.4	60.7	75.1	67.4	64.1	76.5	86.8	80.5	72.5	91.1	67.0	78.1	81.4	73.7	76.6	101.0	80.4	78.9	79.0	56.8	72.8	96.3	89.6	51.8	87.5	69.5	63.6	107.5	76.6	86.1	63.8	107.9	80.8	95.0	77.0
EIF3M	44.4	42.9	43.0	57.8	45.8	38.3	43.4	40.6	36.6	34.0	35.5	33.8	40.9	36.6	40.6	43.6	38.9	37.7	38.0	41.1	45.0	37.9	43.8	34.3	31.5	33.4	46.7	44.1	24.8	40.4	42.4	41.2	51.8	39.6	41.6	39.5	44.4	36.8	50.2	46.9
EIF4A1	39.5	43.4	48.0	59.1	54.4	44.5	35.5	43.1	58.8	50.2	38.9	42.0	61.0	62.2	70.2	56.0	53.5	49.5	45.2	61.1	66.0	43.1	41.2	41.8	49.6	59.7	50.9	47.2	44.0	71.9	37.9	67.1	141.7	89.8	45.7	56.7	64.9	70.7	71.4	38.9
EIF4A2	132.2	152.1	112.9	122.7	135.4	153.2	101.7	131.5	160.9	168.8	169.9	154.3	175.5	165.2	167.2	160.8	136.6	187.7	156.6	166.0	162.2	155.2	184.2	182.9	131.8	161.9	196.2	173.5	99.8	156.6	152.5	150.7	180.0	160.3	188.7	136.7	186.2	127.5	170.2	172.1
EIF4A3	9.2	7.8	8.4	6.7	8.4	7.9	7.9	6.4	10.7	8.2	9.9	9.5	8.7	10.7	11.5	8.7	7.9	9.3	9.6	10.8	12.2	8.0	7.6	8.5	7.0	11.1	8.8	8.2	7.4	13.4	8.3	9.6	19.4	12.0	10.6	8.8	11.6	7.4	8.8	7.3
EIF4B	67.3	63.7	47.9	57.6	64.5	60.2	64.8	56.6	61.0	49.9	55.6	53.4	59.4	44.8	69.7	67.2	61.4	60.4	49.9	61.4	60.4	55.0	79.2	73.6	52.2	60.2	73.8	61.6	36.3	48.1	40.5	58.9	89.8	59.6	64.9	46.5	59.8	44.9	81.3	82.3
EIF4E	2.9	4.6	4.4	4.0	4.4	3.8	3.6	4.9	6.1	3.9	4.7	4.1	5.4	6.2	5.1	5.5	5.1	5.3	4.1	4.9	5.3	3.8	5.2	4.4	3.5	4.5	4.7	5.0	3.8	4.7	4.7	6.2	5.2	6.2	4.5	5.1	6.9	4.7	6.1	5.0
EIF4E2	7.7	8.8	8.7	7.3	10.4	6.7	5.7	9.4	8.3	9.3	10.8	7.9	8.4	9.8	12.0	7.0	8.1	11.0	8.9	8.5	10.5	6.7	7.0	7.3	6.2	8.2	11.3	9.3	6.5	9.4	8.2	7.5	12.7	12.3	7.0	9.2	9.8	9.6	6.2	6.4
EIF4E3	6.7	6.5	6.8	6.7	6.2	6.3	6.1	8.1	7.2	5.8	6.2	5.2	7.3	8.4	5.9	8.0	6.9	7.1	5.6	7.1	6.7	6.3	6.5	5.7	4.7	5.6	6.3	6.9	5.2	5.2	5.8	7.6	5.3	6.9	5.5	7.7	8.1	5.9	7.0	7.0
EIF4EBP1	10.3	8.9	12.3	12.4	12.8	11.3	17.4	9.2	4.8	4.7	6.3	6.2	7.9	9.3	7.0	8.7	4.7	4.1	4.6	5.7	11.6	7.0	4.5	4.2	6.0	4.2	7.6	6.0	4.6	8.4	6.4	6.3	9.8	3.5	4.7	7.1	7.0	9.3	7.4	5.4
EIF4EBP2	17.2	15.9	15.8	17.1	22.5	15.6	14.3	15.4	15.7	14.9	15.6	13.3	13.5	15.9	13.2	20.7	17.6	15.1	15.5	16.9	16.1	16.8	17.8	17.3	12.1	12.6	21.5	14.5	8.3	9.6	10.8	15.7	22.5	17.9	20.1	16.5	17.4	12.6	21.7	21.9
EIF4EBP3	1.5	12.4	5.8	8.9	3.6	6.2	2.2	2.7	8.6	7.2	12.3	11.0	8.8	5.9	9.2	8.6	6.2	10.6	5.3	5.8	11.4	10.0	16.8	8.4	10.0	10.2	12.7	13.5	5.4	23.7	11.2	8.7	9.2	7.9	4.6	6.9	6.1	6.6	9.8	6.4
EIF4ENIF1	4.9	6.6	4.5	5.5	5.3	5.7	4.9	5.8	6.6	5.0	6.2	6.1	6.7	7.4	7.5	5.9	6.8	5.2	5.9	6.8	5.8	6.3	6.4	6.5	5.0	6.5	7.7	7.3	4.8	4.9	5.6	5.3	6.5	6.5	4.9	5.3	5.2	6.3	6.4	6.8
EIF4G1	34.4	40.6	42.4	53.0	39.2	36.5	31.9	43.1	43.3	37.0	34.3	29.9	38.4	46.3	39.9	41.7	40.7	36.9	33.1	34.1	36.2	34.6	37.4	34.0	25.1	37.4	41.8	41.4	29.5	31.2	31.7	43.6	45.7	52.0	33.2	43.7	51.9	47.3	48.7	37.2
EIF4G2	135.0	119.3	117.1	117.7	130.9	108.7	95.1	140.3	159.5	147.4	150.3	135.4	159.3	169.8	124.1	142.6	139.4	148.6	137.2	159.6	141.0	153.3	151.5	145.0	85.5	122.2	137.8	144.1	102.0	110.3	114.5	158.6	142.3	173.2	145.2	164.6	157.4	181.2	157.2	140.6
EIF4G3	7.2	7.9	6.6	9.3	8.6	8.0	6.6	9.6	10.7	7.5	9.1	7.9	10.3	13.8	9.1	10.3	11.4	11.0	7.6	12.6	9.8	9.6	9.6	10.5	6.2	8.1	8.0	9.4	7.2	6.6	8.1	9.7	10.2	11.1	7.1	9.7	11.3	11.6	11.5	10.5
EIF4H	56.1	56.8	50.7	51.7	62.2	54.3	50.3	49.5	63.4	54.8	66.2	65.2	65.1	62.8	79.0	61.5	59.3	60.1	63.3	68.9	66.8	59.6	64.4	60.6	47.2	59.1	73.3	57.6	43.0	61.0	54.2	61.0	77.9	70.3	66.1	56.9	62.5	58.3	67.7	63.6
EIF5	20.5	26.3	27.5	23.6	22.0	18.8	19.1	21.7	25.9	23.0	22.2	18.5	27.0	28.0	18.4	24.1	20.4	25.7	21.8	24.9	25.3	22.9	22.0	16.9	16.5	9.7	24.6	21.9	15.3	16.7	13.9	21.0	23.4	28.0	28.7	33.0	28.0	24.9	22.6	20.8
EIF5A	45.8	47.6	46.2	54.1	54.1	47.8	54.5	45.2	48.2	42.4	43.9	48.3	54.0	56.0	48.4	46.9	41.9	37.4	48.0	42.4	47.8	41.9	43.1	41.6	38.7	38.0	47.6	49.0	39.9	49.3	41.0	51.9	50.6	50.4	50.9	45.8	48.3	44.6	46.9	41.7
EIF5B	38.5	44.2	38.3	40.6	38.2	36.1	38.5	35.8	34.1	38.0	34.5	32.1	46.6	39.0	34.9	36.7	52.6	33.8	27.5	32.8	35.0	28.7	41.2	35.1	27.3	38.2	51.0	41.9	34.4	34.3	36.7	45.5	35.8	41.8	31.0	48.5	48.3	49.3	49.5	38.5
EIF6	9.0	12.3	12.1	13.0	13.8	9.1	9.0	7.2	14.6	14.0	13.3	15.3	14.5	15.9	19.3	10.2	13.8	11.0	12.3	15.0	17.3	10.6	11.3	11.2	13.0	13.5	12.4	13.7	12.9	16.2	13.3	15.7	21.2	17.1	12.1	13.0	13.9	14.9	12.1	9.4
ELAC2	14.2	16.3	12.4	13.2	16.4	13.4	14.0	14.8	16.1	12.9	16.5	13.6	15.5	15.8	14.5	13.7	12.2	15.5	11.6	16.3	13.1	14.8	12.5	15.6	10.9	12.3	16.1	17.0	11.4	15.4	12.5	13.2	10.4	14.8	11.9	15.4	12.6	13.5	14.1	15.8
ELAVL1	4.2	5.0	4.0	4.8	4.3	3.7	3.9	5.6	5.2	5.1	4.8	4.7	5.3	5.9	5.4	4.8	5.1	4.7	5.0	5.2	5.6	4.8	5.4	4.6	4.4	5.1	5.3	5.3	3.9	5.3	4.4	5.4	6.1	6.2	5.7	4.8	6.0	5.1	5.7	4.9
ELF1	5.5	7.3	7.1	4.7	12.1	5.9	5.7	6.3	7.5	6.3	4.8	4.1	7.6	8.6	8.5	8.4	9.4	7.1	7.5	9.3	8.7	5.4	6.5	6.2	8.1	10.5	11.4	9.4	3.8	6.7	8.6	9.6	23.1	13.5	9.4	19.5	15.2	8.7	14.6	8.0
ELF2	7.4	7.6	6.8	6.7	9.8	7.0	7.7	7.8	8.7	6.1	7.3	6.6	7.4	7.1	9.0	8.4	7.0	6.6	7.7	8.9	6.3	6.3	6.0	6.3	5.9	7.7	8.3	7.0	4.0	5.0	6.9	6.5	12.7	8.4	6.8	7.1	7.2	5.3	10.0	9.4
ELF4	1.5	1.2	1.3	0.9	1.5	1.4	0.8	1.1	2.0	1.5	1.2	1.0	1.5	1.3	3.5	1.4	1.1	1.1	1.4	2.1	2.0	1.0	1.1	0.8	0.8	1.6	1.5	0.7	0.8	0.9	0.8	1.3	5.4	2.6	1.8	1.2	1.7	1.6	2.0	1.1
ELK1	4.3	6.3	4.6	6.4	7.1	5.3	4.4	5.1	5.1	5.0	5.8	5.5	5.5	6.2	5.7	5.6	6.1	4.2	4.6	4.8	4.7	4.9	4.3	4.1	4.9	5.0	7.5	7.2	4.1	4.3	4.6	6.4	10.6	8.3	6.1	7.4	9.1	7.3	8.9	4.5
ELK3	4.7	5.0	3.6	4.6	7.5	5.1	4.5	5.5	7.8	6.4	5.0	4.2	5.5	2.8	7.7	2.5	5.7	6.9	6.2	8.9	6.0	6.1	4.8	4.5	1.0	6.5	3.8	4.1	1.7	1.7	6.2	4.9	10.8	6.0	2.4	4.7	6.3	4.7	5.8	7.8
ELL	1.2	1.8	1.8	1.9	2.7	2.6	2.3	1.7	2.2	1.9	1.5	1.6	2.2	2.6	2.4	2.3	2.0	1.6	1.6	2.7	2.3	1.7	1.6	1.5	2.2	2.2	2.8	2.5	1.3	2.5	2.2	2.7	5.1	3.0	1.9	2.5	3.3	2.8	3.3	2.2
ELL2	2.6	3.2	6.3	5.5	7.3	4.3	5.4	3.9	3.6	7.9	3.2	4.0	4.2	7.1	3.7	7.5	6.2	6.3	4.3	4.6	5.2	3.3	3.0	3.7	18.0	18.1	8.3	6.7	4.1	12.6	5.5	6.4	33.6	24.8	42.3	12.9	25.1	8.8	10.9	4.0
ELMO1	3.3	3.4	2.5	2.6	3.6	3.7	3.0	3.7	3.6	3.0	2.1	2.3	4.8	2.4	5.5	4.0	3.5	3.2	3.8	4.3	4.2	2.3	2.8	2.3	2.8	4.7	5.4	2.8	3.0	4.4	2.5	3.3	14.2	6.3	2.7	5.0	6.0	4.5	7.3	3.4
ELMO2	7.8	8.3	6.4	7.7	7.2	7.3	6.8	7.9	7.9	5.9	6.5	5.9	8.1	9.2	9.3	5.9	7.4	7.1	6.0	8.2	7.6	6.1	6.5	6.5	5.5	6.7	5.7	6.9	6.7	5.9	5.9	7.5	8.1	6.5	5.2	6.5	8.3	7.6	6.6	6.8
ELMOD2	2.3	2.6	2.6	2.6	2.2	2.0	1.9	2.6	2.9	3.0	2.7	2.9	3.0	3.4	2.6	3.0	2.7	3.7	2.9	4.1	2.5	2.2	2.6	2.5	2.5	2.3	1.7	2.7	2.0	2.3	2.0	2.4	2.3	2.9	2.6	2.0	3.0	1.7	2.8	3.4
ELMOD3	2.8	2.9	2.1	2.8	2.8	2.3	2.2	2.9	3.8	4.1	4.0	2.5	4.5	4.4	4.8	2.5	3.4	2.6	3.7	4.6	7.8	2.6	3.3	3.4	2.9	2.7	2.6	3.7	3.1	3.9	3.2	2.8	4.8	3.7	2.8	3.3	4.2	3.0	3.9	3.0
ELN	5.7	7.2	4.9	3.9	10.8	6.3	3.6	5.3	8.2	5.7	6.1	7.5	7.9	18.5	35.1	9.5	10.8	5.7	5.4	36.4	27.2	6.4	4.1	6.3	10.0	37.1	5.7	4.8	8.3	5.7	5.1	12.3	20.7	20.8	6.5	10.2	16.2	16.6	8.8	4.3
ELOF1	8.3	9.0	8.5	10.0	8.3	7.9	7.9	8.7	10.5	9.4	8.6	9.2	7.6	10.5	13.2	9.8	9.4	8.2	9.6	9.5	9.8	8.5	10.5	9.9	10.7	7.6	10.0	10.3	7.6	10.8	10.5	8.8	12.9	12.5	10.7	10.2	11.1	7.8	11.8	9.4
ELOVL1	8.9	7.7	8.9	12.1	10.5	7.3	7.0	9.1	11.2	9.4	9.5	9.9	11.6	13.2	14.7	8.6	8.4	9.6	10.1	12.9	12.7	8.9	8.7	10.0	6.9	8.0	9.3	8.5	9.8	10.2	7.8	10.7	16.2	10.6	9.3	9.5	11.3	10.5	9.8	10.1
ELOVL5	8.3	6.5	8.5	10.3	10.0	7.2	5.6	6.5	10.9	10.1	7.7	7.1	8.7	10.6	12.3	9.8	9.4	10.1	7.8	10.6	16.5	7.9	8.0	6.9	6.6	9.3	9.7	8.4	7.3	9.9	9.2	13.4	23.5	14.9	9.6	9.7	12.1	14.1	12.9	8.7
ELP2	9.8	10.1	8.5	7.5	10.5	9.0	7.9	7.9	9.8	10.3	10.7	11.2	10.9	10.0	9.1	10.3	8.5	11.4	9.2	11.9	9.3	8.5	9.7	10.8	8.2	9.7	9.2	8.9	6.5	8.5	7.1	7.5	13.4	12.2	9.7	10.0	10.5	8.3	11.1	11.4
ELP3	5.3	5.8	5.2	4.9	5.5	6.1	4.5	5.5	6.9	5.5	5.4	6.4	6.3	7.9	7.7	6.1	5.0	7.1	5.3	7.1	5.5	5.4	6.4	8.1	4.5	5.5	6.3	8.0	3.8	4.8	5.1	5.9	5.8	6.3	4.8	6.0	5.6	5.6	6.1	6.9
ELP4	3.8	4.0	4.5	4.1	3.8	5.9	3.5	4.2	4.4	4.0	5.7	4.6	5.2	5.5	4.1	6.6	3.3	5.5	4.1	5.4	4.5	4.3	3.8	5.0	3.1	3.8	3.8	5.5	3.7	4.4	3.8	4.7	4.3	4.3	2.7	4.3	4.3	2.8	4.3	4.6
ELTD1	6.8	5.4	5.9	8.1	7.3	6.2	4.9	4.9	6.5	6.3	4.8	3.6	6.7	6.3	8.6	5.3	5.5	5.7	5.8	6.3	6.9	4.7	5.2	4.7	1.4	7.1	3.5	4.0	3.1	6.3	6.9	7.5	19.5	5.5	3.9	4.7	5.6	4.5	6.6	5.8
EMB	3.1	1.6	1.8	0.9	2.6	1.9	2.5	3.0	2.5	2.5	1.0	0.7	2.3	1.6	2.2	1.5	3.8	2.5	1.9	3.5	1.7	1.8	1.5	0.8	0.4	2.6	1.7	1.8	0.6	1.3	0.7	0.8	5.8	2.6	0.5	2.5	2.3	1.8	1.9	2.7
EMCN	9.6	5.8	5.7	7.6	8.4	8.0	5.8	7.5	8.3	5.5	4.8	4.8	5.7	3.8	8.1	4.2	4.6	6.5	6.2	9.7	4.9	5.9	4.1	5.2	2.2	7.1	3.1	6.5	3.9	6.6	9.6	8.1	6.0	5.1	4.4	3.2	3.5	2.7	3.5	7.7
EMD	16.9	17.4	13.9	16.6	18.9	18.9	14.2	13.0	16.7	18.9	18.4	22.7	19.7	18.9	22.2	17.6	18.1	16.4	17.3	19.3	20.8	16.1	19.3	17.6	16.6	17.2	21.7	18.4	13.5	23.6	16.7	14.9	22.6	20.0	17.2	15.9	17.9	17.2	18.0	16.8
EMG1	9.6	8.4	9.1	5.9	6.4	9.4	8.9	7.8	9.0	7.5	10.2	7.1	7.9	7.9	8.2	10.0	6.6	8.6	9.1	8.6	7.6	7.9	8.1	9.6	8.8	7.2	9.4	6.9	6.1	10.9	11.0	10.7	10.2	9.9	8.9	9.8	5.1	9.3	8.0	8.8
EMILIN1	2.6	2.9	2.4	4.8	7.8	5.5	2.9	4.9	4.6	2.2	4.1	3.1	4.6	7.5	13.4	2.3	2.9	3.5	3.6	7.4	6.5	3.5	3.1	2.9	3.1	5.7	1.9	3.8	7.9	4.2	4.2	7.6	8.9	6.3	2.6	2.9	6.0	6.2	2.9	3.0
EMILIN2	7.3	6.8	4.4	5.7	4.2	2.1	3.4	2.5	5.5	3.5	11.0	2.4	10.9	2.9	5.7	7.2	7.9	3.9	6.0	3.3	8.1	6.8	7.2	1.6	1.1	3.6	11.0	8.1	0.9	8.3	7.4	6.8	7.5	5.1	6.9	3.4	9.4	6.4	6.5	8.2
EMILIN3	1.2	2.1	0.9	0.4	2.3	1.5	0.9	3.6	0.6	0.7	1.5	0.7	2.9	1.0	4.6	1.1	0.3	1.4	0.8	1.6	1.4	1.9	1.0	0.7	1.8	2.2	3.9	2.9	1.7	2.8	3.0	2.9	1.0	5.3	5.1	4.2	7.9	6.9	2.0	1.5
EML1	6.6	5.4	5.0	5.9	6.8	6.0	6.1	6.6	6.1	4.6	5.7	3.6	6.3	5.2	5.9	5.8	3.6	5.8	5.3	5.6	5.8	5.3	5.0	4.2	2.6	4.7	5.5	4.3	4.1	4.4	4.4	4.8	4.1	5.2	4.1	4.0	5.0	3.5	4.4	5.8
EML2	5.2	5.8	5.8	6.1	5.3	5.5	4.7	4.6	7.4	7.1	9.4	11.2	8.5	8.6	9.2	8.1	6.9	9.5	8.5	8.4	8.2	7.3	7.6	7.8	6.6	6.7	8.7	6.9	6.8	8.5	6.2	6.8	6.3	8.9	7.3	7.1	8.1	8.2	7.1	4.7
EML3	2.6	3.0	2.7	3.7	3.7	3.1	2.8	2.3	4.5	3.0	2.7	4.1	3.2	4.9	7.4	3.2	4.3	3.1	3.2	5.6	4.6	2.4	3.2	2.7	2.7	3.0	2.9	3.0	3.5	3.3	3.4	5.6	8.8	4.7	2.9	3.2	3.4	3.9	3.4	2.5
EML4	1.7	1.4	1.3	1.3	2.2	1.6	1.4	1.8	3.0	2.1	1.7	1.5	2.0	2.8	2.3	1.9	2.2	2.6	2.0	4.4	1.9	1.8	1.6	1.6	1.8	3.0	1.5	1.7	1.6	1.6	1.8	2.5	6.1	2.8	2.4	1.6	2.6	1.6	1.6	1.8
EMP1	18.3	12.9	16.2	13.6	27.5	15.7	13.4	17.2	36.1	22.2	14.4	10.3	26.7	27.8	62.3	27.0	21.1	20.7	19.9	52.9	32.4	18.7	12.1	10.5	20.7	39.1	16.3	18.7	21.9	47.3	11.0	28.5	107.3	58.7	18.0	32.3	33.9	37.8	53.0	14.5
EMP2	9.3	7.8	6.2	9.5	8.9	7.0	7.0	7.9	8.4	6.1	6.5	4.8	8.9	8.0	12.1	7.1	6.2	7.0	7.6	8.7	9.9	8.7	7.7	6.6	6.3	5.9	7.0	6.9	6.5	8.6	8.5	6.8	9.3	7.2	8.0	6.4	9.7	6.4	10.0	8.7
EMP3	16.1	12.1	12.5	11.9	17.1	9.7	9.4	13.2	25.3	12.7	12.2	8.7	15.9	20.0	38.6	10.8	11.6	9.4	14.1	19.8	16.1	11.6	10.9	11.0	10.7	14.8	8.3	10.4	14.9	11.3	13.0	17.0	23.1	14.0	11.6	12.3	9.4	10.4	12.3	9.5
ENAH	3.7	4.4	3.3	2.9	3.7	3.4	3.3	3.7	6.1	6.3	5.2	3.9	6.0	8.1	6.6	4.2	9.8	6.3	5.0	6.6	5.2	5.2	6.0	4.8	3.7	7.4	7.6	7.2	3.8	4.1	8.1	8.4	10.6	8.8	7.3	17.3	8.4	10.6	7.5	6.5
ENAM	1.6	1.0	1.4	0.6	1.4	1.3	1.1	1.2	1.9	2.4	2.2	3.7	2.1	2.2	1.4	2.7	3.2	2.1	3.2	1.8	2.9	1.6	4.7	2.9	1.6	1.0	3.1	3.1	1.0	1.1	2.0	2.6	1.3	1.6	1.9	3.0	1.9	1.6	3.1	1.6
ENC1	1.0	1.1	0.9	1.0	1.8	0.9	0.5	1.7	2.0	1.6	2.0	1.5	2.1	3.0	3.4	1.0	2.6	1.7	1.6	3.8	2.4	1.3	1.4	1.6	0.8	1.8	0.9	1.7	2.0	0.7	1.5	3.6	2.6	4.5	1.0	2.7	3.3	2.7	0.8	2.1
ENDOD1	4.4	3.5	4.1	3.8	5.1	3.9	3.7	3.8	5.9	4.6	4.1	2.9	5.2	4.8	7.7	4.9	5.9	4.6	5.0	7.6	4.8	4.0	4.5	2.4	1.9	4.1	3.6	3.7	2.9	3.0	4.1	4.6	7.0	5.2	2.4	4.8	4.0	5.1	3.6	3.2
ENDOG	12.7	11.6	15.5	15.0	13.1	14.6	13.8	14.4	10.7	9.8	10.4	7.1	9.3	12.5	6.6	8.9	8.1	8.8	9.1	8.9	9.3	10.2	6.6	8.5	8.0	4.5	10.0	7.2	8.8	10.5	9.7	11.3	4.6	10.4	8.5	9.9	13.2	6.8	6.6	10.5
ENG	50.2	67.4	49.9	68.5	78.0	68.4	47.1	60.1	58.7	67.0	58.9	73.3	65.8	50.7	107.4	75.0	66.7	63.8	81.8	70.1	96.3	52.7	80.6	70.6	24.3	44.6	55.7	42.9	37.9	49.8	67.4	76.0	51.7	64.9	48.3	48.2	42.6	53.5	64.3	54.9
ENGASE	3.9	5.0	3.5	5.1	4.7	5.1	3.2	3.4	5.0	4.1	4.8	6.7	4.5	5.3	7.7	3.3	4.1	4.5	4.3	6.3	5.4	4.1	4.1	4.5	4.1	5.0	4.6	5.8	4.8	5.4	5.9	3.3	7.7	5.7	5.1	3.5	5.4	4.8	5.0	4.6
ENO1	36.6	35.1	35.9	39.3	71.7	36.6	40.9	38.5	52.0	44.1	43.1	49.9	39.9	58.0	67.3	34.5	37.7	31.1	34.4	46.1	66.3	40.1	38.2	37.0	34.5	53.0	38.5	29.8	39.1	36.7	31.3	47.1	60.1	44.6	34.3	34.4	38.2	50.8	44.1	33.4
ENO2	3.1	3.2	2.2	2.5	6.8	3.7	2.5	3.8	8.7	5.8	5.0	10.6	6.2	17.1	13.7	7.9	8.8	6.5	5.4	9.3	6.4	4.2	7.8	7.4	4.8	8.1	4.4	4.4	6.1	5.6	5.4	7.6	9.6	6.8	5.2	4.2	3.7	4.4	7.8	3.6
ENO3	188.7	282.4	187.5	114.9	106.2	174.8	185.5	113.3	100.4	166.9	186.4	248.4	122.9	126.9	70.6	107.9	91.8	73.1	163.8	131.8	119.8	106.0	174.6	176.9	77.6	113.3	204.1	179.4	57.7	174.9	146.6	114.6	55.8	103.4	129.9	121.1	144.1	107.2	141.9	156.4
ENOPH1	4.8	5.7	5.0	5.1	6.1	5.4	4.9	5.1	7.0	5.7	5.2	6.9	6.5	6.9	6.5	6.2	5.9	6.6	5.6	7.7	4.9	6.7	5.4	6.2	4.3	4.9	5.4	6.6	5.1	6.0	4.6	6.7	7.0	6.5	5.2	5.2	7.3	5.1	5.5	5.6
ENOSF1	4.4	3.2	2.5	3.4	6.2	5.5	2.6	3.1	2.8	2.4	3.5	3.1	4.2	2.6	3.2	3.5	2.0	3.3	3.5	2.1	3.9	2.7	3.7	4.5	3.8	2.6	5.2	4.0	3.4	4.0	3.7	2.5	4.0	3.3	4.7	1.6	3.1	1.5	3.2	4.9
ENOX1	2.2	3.4	1.7	4.4	1.7	1.8	1.6	3.1	2.5	3.4	3.3	1.9	2.1	3.2	1.0	2.1	2.9	2.0	2.0	1.7	3.3	2.1	3.4	1.9	1.1	2.8	2.2	2.7	1.7	1.4	2.3	2.4	1.9	1.2	2.8	1.1	2.9	1.1	1.4	1.5
ENOX2	2.1	2.7	2.5	3.1	3.6	1.9	2.2	3.1	3.2	3.1	3.3	2.7	3.7	4.4	3.8	3.1	3.2	3.0	2.9	3.9	3.2	3.1	3.0	2.9	1.7	3.5	4.2	2.9	2.5	2.9	2.4	3.0	5.5	5.3	2.5	4.6	4.7	3.9	4.2	3.4
ENPEP	2.9	1.7	2.7	1.6	4.1	2.3	1.9	1.7	2.6	1.7	2.1	2.3	1.6	2.1	1.6	1.5	1.0	1.7	1.9	2.6	3.3	1.7	2.1	1.5	1.7	2.6	1.4	1.2	1.4	1.6	2.2	1.2	2.9	2.1	2.1	1.2	1.6	1.3	1.8	2.1
ENPP2	1.6	2.2	1.1	0.6	2.4	3.3	0.6	2.7	5.4	3.0	1.5	2.0	2.9	7.1	3.3	2.3	2.9	3.3	2.9	10.3	4.8	5.5	1.0	1.3	1.3	4.6	1.2	2.2	1.8	2.0	1.3	1.2	10.0	2.3	1.0	2.2	3.4	2.1	1.1	2.3
ENPP4	6.5	5.1	4.9	6.3	6.3	4.9	5.1	6.7	7.3	5.3	5.3	4.8	3.5	5.2	2.5	5.7	4.4	5.3	5.0	7.2	4.5	5.6	4.6	6.1	4.1	5.5	5.4	4.4	2.1	3.0	4.0	4.6	4.5	5.6	4.5	4.7	6.1	4.1	4.9	5.8
ENSA	34.7	38.1	34.9	34.4	37.5	32.1	31.8	35.6	41.9	37.2	37.2	38.6	41.1	41.9	48.3	38.0	40.5	41.8	37.2	42.6	39.0	35.3	39.3	34.6	32.5	40.7	43.2	45.7	33.2	38.9	32.1	42.6	51.8	45.0	39.5	41.8	45.8	38.7	46.4	34.4
ENTPD4	6.6	5.7	6.6	8.4	6.4	6.0	5.4	8.0	9.1	7.1	6.7	5.8	5.3	9.5	3.0	8.1	7.3	8.1	6.9	7.5	6.7	7.2	7.2	6.0	4.4	5.5	5.1	5.7	2.7	3.7	4.9	7.1	6.9	7.3	6.1	7.6	8.8	7.2	5.6	5.5
ENTPD6	27.6	34.1	29.3	26.5	35.8	21.8	29.7	33.1	16.3	17.7	23.8	16.0	18.8	19.7	17.1	18.9	17.3	17.1	23.4	16.0	14.7	24.9	17.5	14.6	14.8	15.4	23.4	17.7	11.6	19.6	23.9	20.1	15.6	21.9	22.7	17.0	22.7	29.9	17.5	13.8
ENY2	6.3	6.2	6.4	6.7	5.0	5.4	5.6	4.7	6.0	5.5	6.1	5.8	5.3	5.4	7.4	6.6	6.1	5.3	5.4	6.6	5.5	4.7	5.8	5.9	5.0	5.8	6.7	6.8	3.8	7.8	6.3	7.2	7.6	6.0	5.8	6.2	5.3	5.7	7.8	6.4
EP300	6.9	6.6	5.8	6.2	7.3	6.0	5.3	7.7	8.8	6.5	6.8	5.6	6.1	7.6	7.6	7.4	6.8	7.1	7.4	8.8	7.7	6.8	7.5	7.3	4.3	6.8	7.0	7.3	3.6	3.0	4.8	6.4	13.7	10.6	6.1	8.8	10.5	7.1	10.5	8.5
EP400	2.4	2.7	2.5	2.5	3.3	2.7	2.0	2.8	3.5	3.0	2.9	3.1	2.7	3.5	3.3	2.9	2.9	3.2	3.3	3.9	3.3	3.2	3.1	3.1	2.4	3.6	2.8	3.6	2.2	1.8	2.8	2.7	5.4	4.4	2.9	3.2	4.1	3.0	3.2	3.3
EPAS1	50.0	72.5	56.2	63.1	84.0	80.4	63.4	75.1	66.4	46.2	55.7	52.0	53.8	53.2	100.1	76.3	56.0	70.4	63.4	86.5	66.5	61.0	57.0	52.2	46.8	67.9	85.8	65.7	50.5	60.5	71.4	66.4	138.4	105.5	63.3	87.4	91.6	77.2	104.3	69.7
EPB41	4.2	5.3	4.2	4.3	4.2	3.8	3.4	4.0	5.7	4.4	4.9	4.4	4.3	5.3	3.9	4.4	4.0	5.7	3.8	6.5	4.4	3.7	5.0	4.8	4.1	4.5	3.7	4.9	3.1	3.6	3.9	5.0	5.5	4.6	4.4	3.4	5.6	2.8	4.0	4.4
EPB41L1	3.2	2.7	1.8	2.6	3.4	4.2	2.0	3.3	4.9	2.8	3.1	3.6	2.8	4.1	7.1	3.2	4.1	3.2	3.9	4.4	4.1	3.2	3.6	3.6	2.2	4.2	2.2	3.7	3.2	3.4	3.5	4.1	3.9	3.0	2.5	2.4	2.7	2.0	2.9	3.9
EPB41L2	16.1	18.0	13.5	11.1	15.9	16.4	17.1	20.7	18.3	10.6	14.5	9.0	19.1	11.8	29.5	13.8	11.5	16.9	15.7	35.1	22.4	18.3	13.4	12.8	12.8	25.8	19.8	17.5	15.5	18.7	15.3	16.0	32.1	24.9	18.7	20.4	25.0	15.1	27.0	21.4
EPB41L3	1.6	1.2	1.4	1.0	2.2	1.3	1.3	2.5	2.5	1.5	1.4	0.9	2.0	0.9	4.3	1.5	2.9	1.8	2.4	3.0	3.9	1.9	1.3	1.0	0.8	2.2	1.4	1.4	1.2	1.3	1.9	1.9	6.3	2.1	0.8	1.6	2.1	1.7	1.6	1.6
EPB41L4A	3.2	3.4	3.0	3.9	3.9	3.6	2.6	3.2	4.1	3.1	2.8	3.1	3.3	4.5	4.0	3.2	4.9	3.5	3.1	5.4	4.0	3.3	3.8	3.2	3.4	3.2	2.9	3.2	2.5	3.0	3.8	3.8	6.6	3.3	3.6	2.9	4.2	2.8	3.8	3.9
EPB41L4B	2.1	2.9	1.7	2.2	1.8	3.4	4.0	1.1	1.1	0.8	0.9	0.9	1.2	0.7	0.9	2.3	1.5	0.8	1.2	2.0	1.9	1.4	1.1	1.7	2.4	0.9	0.8	1.7	0.8	0.9	1.6	1.7	1.7	1.4	0.6	3.1	1.6	1.6	2.8	2.3
EPB41L5	2.4	3.0	2.0	1.8	2.3	2.1	1.2	1.9	2.6	2.0	2.6	2.0	2.0	3.1	2.3	2.4	2.7	2.8	2.5	3.1	2.5	2.2	2.2	1.6	2.4	2.2	2.8	2.1	1.8	1.9	2.4	2.2	4.2	4.2	2.9	4.4	3.4	2.8	3.5	2.4
EPB49	16.4	22.5	21.3	27.1	34.6	18.6	23.9	29.8	25.5	19.9	20.6	22.7	24.5	33.3	20.3	24.2	26.5	26.1	18.2	19.6	21.3	15.5	21.7	24.5	19.7	16.9	23.0	31.2	18.7	25.2	27.3	21.5	16.2	26.6	19.6	25.1	27.2	15.4	25.3	27.4
EPC1	4.2	5.4	4.8	5.3	6.1	4.9	3.9	5.5	5.6	4.8	5.5	4.1	4.1	6.1	6.7	5.6	4.5	4.5	4.7	6.4	4.4	4.9	5.2	4.7	4.9	5.5	7.2	7.1	3.6	3.8	5.3	5.4	8.3	5.7	5.6	7.2	8.8	5.5	7.4	7.0
EPC2	5.2	5.5	4.6	5.1	6.5	4.1	5.5	5.0	7.0	5.7	6.0	4.9	6.4	7.5	6.1	6.4	6.6	6.5	5.8	7.7	6.1	5.9	7.3	5.6	5.4	6.4	7.0	6.9	3.4	3.6	4.9	6.2	10.5	7.7	6.0	9.5	8.3	5.4	7.9	7.5
EPDR1	8.2	7.5	6.5	4.7	12.5	9.2	6.7	11.4	13.5	7.9	12.7	10.4	7.9	6.8	9.9	9.8	5.2	11.1	9.8	12.0	9.2	8.2	11.1	10.3	9.7	8.9	10.1	7.1	6.6	5.5	6.0	7.5	3.0	9.7	12.1	7.0	5.3	4.6	8.3	12.1
EPHA2	2.7	3.9	2.9	3.6	2.8	2.9	2.6	3.0	3.6	2.5	2.9	3.2	3.2	4.2	7.1	2.4	2.3	3.6	2.8	5.5	3.7	3.4	2.9	3.5	2.3	3.1	2.8	2.4	2.3	3.8	2.0	2.8	5.7	6.3	3.3	3.5	4.4	3.3	5.4	2.9
EPHA3	1.2	1.6	0.8	1.0	2.7	2.3	1.0	2.1	3.6	3.4	3.0	1.6	4.5	5.6	6.9	1.9	3.1	3.6	3.2	10.8	2.8	2.2	2.0	1.6	2.5	6.3	1.8	3.1	4.7	2.3	1.3	2.8	5.2	7.9	2.7	2.6	4.0	2.5	2.1	2.9
EPHA4	1.6	1.7	1.9	2.8	3.5	3.2	2.0	3.6	5.0	2.4	1.8	3.2	2.1	7.0	4.0	1.5	3.5	4.6	2.6	7.0	1.4	2.4	1.9	4.5	2.4	4.1	1.4	2.8	3.8	2.0	2.7	4.5	3.6	4.3	1.9	3.8	2.8	2.6	2.3	2.0
EPHB4	7.9	7.2	6.1	7.2	6.7	5.9	6.6	6.3	8.2	6.8	5.1	5.1	7.0	5.5	10.2	9.3	7.4	7.3	7.3	7.8	9.1	4.7	4.4	4.9	3.9	4.6	9.1	7.0	3.7	5.5	6.5	6.4	14.9	10.3	6.5	7.1	9.8	7.4	5.8	4.3
EPHX1	13.0	15.5	10.7	16.2	15.1	22.3	13.1	18.9	23.9	13.6	18.5	12.2	28.4	21.4	45.1	15.5	18.2	15.6	17.3	24.2	35.1	18.8	15.3	11.8	13.5	17.8	14.3	16.6	16.2	23.0	21.7	15.0	34.8	15.7	15.9	13.0	20.8	10.4	14.3	19.6
EPHX2	9.7	9.4	6.9	6.3	7.6	8.8	10.5	6.2	8.9	9.7	12.8	9.8	9.0	7.1	12.2	18.8	7.1	12.5	8.6	16.2	9.2	13.5	14.5	13.2	9.4	10.2	10.6	11.6	6.3	11.8	9.6	12.3	5.2	9.2	10.3	12.1	6.8	8.9	12.0	11.5
EPM2A	6.2	7.0	6.1	5.4	5.5	4.8	5.1	6.0	5.7	6.1	6.5	5.1	5.9	7.6	4.2	5.5	5.4	6.9	5.6	5.4	5.0	5.4	5.8	5.2	3.8	5.6	6.2	7.0	4.3	3.7	4.3	5.5	3.3	5.9	5.5	5.9	6.1	5.3	6.0	6.3
EPM2AIP1	4.2	5.9	5.6	3.2	4.6	3.7	5.2	4.6	5.7	3.7	5.2	4.3	2.6	3.8	1.8	3.8	3.9	5.3	5.8	5.3	4.0	4.1	5.6	4.5	4.5	3.4	6.1	3.7	1.6	2.4	4.8	3.9	3.9	5.2	8.1	5.4	7.5	3.1	4.8	7.3
EPN1	36.8	31.5	36.6	40.6	49.5	46.5	41.9	43.3	33.0	32.6	28.9	28.6	35.1	46.0	32.6	43.5	41.4	27.3	29.2	25.3	33.4	28.7	28.1	27.5	35.0	24.3	36.8	36.5	25.2	33.6	23.7	36.8	31.8	41.1	27.2	34.6	33.4	35.1	34.1	27.2
EPN2	12.9	11.3	8.5	12.9	13.6	12.1	11.8	14.4	14.0	10.1	9.4	10.5	13.5	14.4	12.1	14.2	9.1	11.4	9.6	12.1	10.4	10.6	9.1	11.9	14.6	10.2	10.7	11.2	10.2	10.0	8.4	10.8	9.9	15.9	13.6	9.2	14.8	9.9	15.1	10.3
EPN3	3.8	2.3	1.7	6.4	2.4	2.3	2.9	2.5	1.2	0.2	1.5	0.7	0.8	1.9	0.5	1.8	0.4	0.6	0.6	0.8	0.6	0.9	1.2	1.2	0.8	0.4	1.7	1.5	1.0	2.2	1.9	1.5	0.4	1.0	0.9	0.7	1.5	0.3	0.9	1.8
EPOR	2.3	3.1	1.4	3.3	3.9	3.7	3.3	2.6	3.1	2.0	2.4	2.9	2.4	4.3	4.5	2.7	2.2	2.2	2.0	3.8	2.5	2.4	2.3	1.7	2.5	3.6	2.4	2.3	2.1	3.9	2.0	2.1	3.2	2.5	2.3	1.7	1.7	2.8	2.2	2.0
EPRS	16.4	13.9	14.9	14.1	13.0	11.3	10.8	14.9	15.9	13.9	14.7	11.5	15.0	17.7	10.5	14.3	13.1	16.5	12.4	16.0	13.9	13.6	13.2	15.0	8.2	12.0	12.9	12.8	8.2	11.8	11.0	13.3	13.9	14.8	11.1	14.0	15.6	11.7	10.9	17.3
EPS15	12.1	8.9	7.5	8.3	10.0	9.8	9.1	10.8	10.3	7.7	9.7	7.2	12.4	11.3	10.0	9.9	8.9	10.6	9.9	13.5	10.8	8.9	8.6	9.9	8.2	10.6	9.9	9.0	7.1	8.5	7.8	8.6	16.8	12.4	10.6	10.3	12.2	9.1	10.6	11.3
EPS15L1	16.5	17.2	12.6	13.0	17.9	14.5	15.5	16.7	12.6	10.9	12.7	10.9	12.9	14.9	12.7	14.5	11.0	11.5	10.9	12.3	12.1	11.4	12.3	12.8	10.5	11.7	12.3	13.9	6.5	10.8	9.2	11.2	13.8	13.7	8.7	14.2	14.6	11.4	16.6	13.9
EPS8	8.3	9.3	7.2	7.7	14.6	11.1	11.6	9.2	11.4	9.1	6.5	6.5	11.5	14.5	18.0	11.3	10.0	9.2	9.4	15.9	15.5	8.5	8.3	6.0	8.5	13.7	7.7	7.2	9.1	8.1	8.0	10.2	28.3	14.3	7.3	10.6	10.9	10.5	14.5	8.5
EPSTI1	0.8	0.8	0.7	0.9	2.9	1.0	1.0	0.9	3.2	1.2	1.7	1.1	11.3	0.5	1.7	1.1	0.9	1.4	2.0	3.8	2.0	1.1	1.7	4.8	0.9	2.0	0.7	1.4	1.3	1.5	1.7	2.1	2.4	1.4	1.4	1.7	1.0	0.8	1.5	4.0
ERAL1	12.2	13.5	13.4	11.9	13.4	14.5	11.3	12.6	15.6	11.6	14.4	13.5	13.8	15.4	12.0	13.1	11.1	12.2	12.7	12.8	11.3	12.2	11.2	14.4	11.6	10.4	14.9	12.1	12.1	14.7	11.2	12.2	10.6	13.6	13.5	13.3	11.6	12.3	11.4	11.3
ERAP1	6.6	5.4	5.5	6.1	5.9	5.2	4.5	7.3	9.5	5.8	5.8	4.9	7.8	5.4	5.3	6.5	4.8	5.7	5.9	7.9	6.1	6.6	9.7	8.8	4.9	5.7	6.9	5.4	4.3	3.7	4.8	6.5	6.7	7.0	5.1	6.3	7.1	5.2	7.2	8.7
ERBB2	13.8	15.5	9.6	15.0	20.2	14.9	11.8	14.9	15.6	10.8	13.2	12.3	13.5	18.0	14.8	12.6	12.1	10.1	12.4	14.6	11.5	12.4	13.1	11.8	11.1	12.9	12.8	12.3	12.6	11.5	10.3	10.5	9.9	13.4	13.2	11.6	19.6	11.7	14.6	13.7
ERBB2IP	4.6	4.7	4.0	4.6	5.1	3.9	3.7	4.9	6.5	5.2	5.6	4.1	4.8	8.1	3.8	3.8	7.2	6.1	4.9	6.7	4.8	5.5	5.1	4.5	3.9	4.7	4.3	4.6	3.7	3.1	4.4	4.7	7.3	7.2	3.6	5.6	5.9	5.0	5.0	6.2
ERC1	5.5	5.2	4.2	6.0	6.2	5.6	4.5	6.8	8.0	6.6	6.7	6.9	6.2	8.4	6.0	6.1	8.0	8.3	6.9	8.7	6.2	6.7	6.9	7.1	5.3	6.6	6.2	6.0	4.8	3.7	4.7	5.8	7.0	8.6	6.1	6.4	7.1	7.2	6.7	7.6
ERCC1	25.7	26.4	29.9	30.9	26.1	26.9	31.9	30.6	23.5	19.1	22.0	23.4	18.4	25.1	22.9	20.8	20.6	17.6	21.6	21.2	20.5	22.0	23.5	25.3	22.0	18.9	25.1	26.5	20.9	24.4	24.7	29.8	15.4	21.4	19.3	23.8	23.9	24.5	23.3	24.7
ERCC2	2.3	3.1	2.1	2.7	2.1	3.0	1.8	2.4	3.3	2.2	3.7	4.0	3.4	3.1	3.4	2.6	3.3	2.9	2.8	3.4	3.0	3.2	3.1	3.5	2.5	2.9	2.7	3.5	2.0	3.1	2.7	2.7	2.6	3.1	1.7	2.1	2.2	2.1	2.2	3.3
ERCC3	6.8	7.8	6.5	6.7	7.3	8.0	6.8	7.5	9.6	8.8	9.8	9.0	11.0	9.8	11.3	8.5	8.8	8.9	8.4	9.9	8.6	8.5	8.1	8.0	7.2	9.3	9.5	9.0	7.0	8.9	7.8	8.3	12.0	9.0	7.6	7.6	10.1	8.1	10.3	8.5
ERCC5	2.5	2.3	2.0	1.7	3.1	3.6	2.6	3.5	3.6	2.3	2.6	3.0	4.1	3.9	6.0	4.2	4.2	3.9	2.5	4.8	3.3	3.0	3.1	2.7	3.2	3.0	3.8	1.8	3.5	4.8	4.7	4.3	5.8	3.9	2.3	4.4	3.6	2.8	4.2	4.8
ERF	6.2	6.9	4.9	6.6	4.8	8.7	4.4	6.0	8.0	7.3	6.2	6.6	6.5	5.6	10.2	5.1	5.6	6.1	7.4	10.6	9.2	5.9	6.5	5.3	6.6	10.8	7.2	8.6	6.0	15.6	6.9	8.0	22.7	16.5	11.3	6.9	10.5	8.4	11.7	7.1
ERG	3.5	3.6	2.9	3.9	4.2	3.0	3.1	3.1	3.9	2.7	2.8	2.7	3.1	2.9	5.5	2.5	3.2	3.0	3.6	4.5	4.4	3.2	4.0	3.0	1.6	2.8	2.5	3.3	2.3	2.8	3.4	4.1	6.8	3.1	1.9	3.6	2.7	2.9	5.0	3.7
ERGIC1	23.2	26.5	23.5	27.7	25.6	22.9	21.2	31.2	25.4	22.3	20.8	25.0	22.0	35.6	31.4	21.5	25.2	22.0	21.8	28.2	28.0	21.5	23.2	22.8	17.4	25.0	22.2	26.3	22.1	19.9	16.0	19.9	29.7	27.4	19.1	22.4	28.6	22.1	24.9	21.1
ERGIC2	10.1	9.6	9.0	13.2	9.8	8.8	9.3	10.4	12.7	13.0	10.4	9.6	13.4	13.6	9.3	9.5	14.8	11.0	10.4	10.7	13.0	12.1	11.8	9.6	8.1	12.5	9.3	10.6	8.3	8.4	8.0	10.0	12.2	13.8	10.5	9.2	12.4	10.7	10.9	10.3
ERGIC3	31.7	24.0	20.2	26.1	44.1	29.7	23.1	28.6	35.5	28.4	31.2	37.2	32.0	38.7	45.5	27.6	30.4	27.5	30.1	37.0	44.5	32.7	28.9	31.2	28.9	35.3	30.1	29.0	25.3	37.0	24.6	27.3	41.9	35.5	31.8	26.7	31.7	28.3	29.8	24.6
ERH	31.2	28.4	23.6	31.7	27.5	25.4	25.5	24.6	32.7	32.4	31.6	31.4	31.2	35.1	41.2	28.7	34.3	33.3	27.3	33.9	32.4	22.4	29.5	31.9	32.3	33.5	38.1	33.3	25.7	38.6	31.8	32.9	37.6	36.8	38.4	29.6	29.2	30.3	29.7	27.7
ERI3	11.3	11.7	10.7	13.0	12.5	12.3	11.2	11.5	10.5	11.7	10.0	12.1	14.9	13.5	12.5	10.3	11.1	11.0	11.9	11.8	12.8	12.6	11.1	11.4	9.0	11.4	13.6	13.3	10.1	13.4	9.4	13.1	10.8	11.7	12.1	10.4	12.1	12.7	12.6	9.7
ERICH1	2.5	3.5	3.9	3.0	2.6	3.5	3.3	3.1	4.7	3.4	3.3	3.6	3.9	3.8	5.0	3.7	3.1	3.3	3.8	4.2	3.4	3.4	3.7	3.1	3.7	3.8	3.7	3.3	2.9	3.8	3.8	5.2	6.4	4.8	2.5	4.1	4.1	4.8	4.8	4.0
ERLEC1	9.7	11.2	9.8	11.5	12.2	9.2	10.6	10.8	13.2	11.7	11.2	11.0	13.2	15.9	15.4	11.9	13.4	13.0	12.1	12.9	12.2	13.4	13.5	12.8	9.1	13.2	12.2	12.1	9.7	10.8	8.6	12.9	11.7	14.0	11.4	10.5	12.7	13.5	12.9	12.1
ERLIN1	3.1	3.1	3.0	3.8	3.2	3.0	1.7	3.4	3.5	3.0	2.9	2.4	4.3	3.7	4.4	3.6	2.7	3.5	3.5	5.0	4.2	2.9	3.1	2.4	1.8	4.7	3.2	3.3	3.1	3.9	3.1	3.7	6.9	4.4	3.3	3.9	4.3	3.3	4.1	3.1
ERLIN2	5.2	5.0	4.9	4.0	5.3	5.2	4.1	5.8	7.1	5.1	6.3	4.7	4.8	6.8	6.3	5.8	4.4	6.9	4.8	6.8	5.5	5.3	6.1	4.9	3.3	4.4	5.0	5.8	3.3	3.4	4.6	5.5	5.5	6.3	5.3	4.5	6.5	3.7	4.5	6.2
ERMP1	5.5	6.4	4.8	2.4	5.4	4.4	3.8	6.8	7.1	5.5	7.2	5.0	5.0	5.0	3.6	6.6	4.7	6.1	6.5	6.0	5.3	5.7	6.5	5.7	4.0	4.2	5.3	4.9	3.3	3.3	3.9	4.9	3.5	5.7	5.2	5.0	4.5	3.8	3.8	5.4
ERO1L	2.5	2.0	2.5	2.8	2.7	1.9	2.0	2.3	2.4	2.6	2.7	2.0	2.6	3.8	1.9	2.8	2.7	3.1	3.2	2.4	2.3	2.5	2.4	1.6	1.4	3.3	3.6	2.1	2.0	2.1	2.0	3.2	4.3	3.2	3.5	3.3	3.1	3.4	2.4	2.1
ERP29	24.4	16.9	16.6	18.5	29.3	21.6	17.7	21.3	22.6	22.0	21.4	24.4	25.8	22.2	30.7	22.5	21.1	20.7	24.0	25.2	24.3	21.1	22.4	23.8	17.6	21.7	22.0	24.8	17.0	24.5	17.7	20.1	32.6	22.2	20.8	17.7	19.3	13.8	17.5	19.9
ERP44	3.4	4.6	3.9	7.1	4.2	3.6	3.8	4.9	5.1	5.5	4.4	4.8	5.9	5.8	6.7	5.5	5.8	4.8	5.3	6.0	5.9	4.6	5.5	5.4	3.4	5.1	4.8	4.4	3.8	5.4	4.5	5.3	6.7	5.9	3.8	4.3	5.2	4.8	5.0	4.7
ERRFI1	2.4	3.9	3.9	2.8	6.0	3.4	3.5	2.9	4.1	3.3	2.3	2.6	3.0	5.5	9.2	3.8	4.1	2.8	3.0	4.5	4.3	2.6	2.5	2.1	15.9	17.6	9.7	6.6	5.7	11.1	4.1	6.5	49.7	15.7	6.9	9.4	11.7	8.8	20.9	4.5
ESAM	25.3	18.5	17.3	19.1	24.2	20.5	14.8	17.4	22.4	19.9	19.2	18.2	21.1	20.5	33.0	22.6	16.6	22.6	27.4	27.8	23.8	18.8	13.3	17.8	13.9	20.9	14.4	19.0	14.3	25.0	21.4	23.6	35.9	24.7	19.3	18.1	19.6	15.9	17.7	17.4
ESD	35.7	34.8	35.3	35.8	43.7	31.7	33.9	34.6	36.5	34.9	35.1	33.3	40.7	38.8	46.9	36.9	32.6	39.3	29.5	41.1	33.3	31.6	30.8	37.1	28.1	35.1	38.0	34.7	25.9	39.7	34.2	39.0	38.2	39.0	34.5	32.1	37.3	26.4	31.4	36.1
ESF1	4.1	3.8	3.3	4.2	3.8	3.2	3.4	4.3	4.5	4.5	3.6	4.1	5.3	5.4	4.6	4.6	4.6	4.0	4.5	4.7	3.4	3.3	4.5	4.7	3.8	3.5	3.3	4.2	3.8	4.0	3.3	4.4	5.5	5.4	3.5	5.0	4.5	4.0	3.9	4.0
ESRRA	36.2	35.1	35.6	41.0	39.2	26.5	31.3	33.7	27.9	30.7	33.3	31.4	25.8	29.6	18.2	28.7	25.2	26.6	28.0	25.5	27.7	28.4	29.1	28.4	20.7	21.0	31.4	31.3	18.2	26.6	29.1	29.5	17.0	32.8	30.5	26.5	35.5	27.0	26.5	28.0
ESRRG	6.0	4.4	3.0	7.4	4.7	5.0	4.5	6.3	5.4	3.6	4.1	4.4	2.6	3.1	1.4	4.1	3.1	4.9	3.6	5.2	2.7	2.6	3.1	4.1	4.4	3.6	3.7	3.0	1.8	1.8	2.4	2.4	2.0	6.0	4.6	3.3	4.0	1.9	3.8	5.6
ESYT1	8.4	7.1	6.1	6.1	9.0	8.2	5.6	7.8	10.6	7.8	8.9	8.4	10.6	10.4	12.8	8.7	9.2	10.1	8.1	10.2	13.5	8.6	8.2	8.0	4.7	9.1	8.1	8.0	6.6	6.8	7.6	8.8	16.6	9.9	6.1	7.4	8.6	8.3	8.1	9.0
ESYT2	16.8	10.7	13.0	10.9	15.2	13.3	13.4	15.2	17.6	15.3	15.0	12.0	12.6	14.0	15.4	16.5	13.9	13.8	13.6	19.4	13.4	12.7	13.0	13.4	9.3	20.8	15.6	14.2	9.5	9.8	12.4	13.5	25.0	18.3	18.0	16.4	17.2	12.2	13.9	17.9
ETAA1	1.4	2.3	1.4	2.0	3.0	1.9	1.9	1.8	1.9	1.5	2.0	1.9	1.4	2.9	3.6	1.5	2.6	2.0	1.7	3.0	2.3	1.6	2.1	1.8	1.7	1.6	2.2	2.4	1.3	1.3	2.2	1.7	2.7	1.6	1.9	2.3	2.7	2.1	1.7	2.5
ETF1	16.9	17.5	19.4	20.2	21.2	15.3	15.5	16.6	20.8	19.2	18.3	18.1	22.6	26.9	17.1	20.7	22.5	20.5	16.0	20.5	20.6	18.0	19.8	17.9	15.6	19.0	18.6	18.0	15.2	18.4	14.7	20.7	26.4	28.3	17.2	19.9	21.3	21.0	19.9	17.4
ETFA	104.5	110.1	119.3	126.4	113.7	105.0	119.0	104.8	118.9	104.5	115.3	132.4	148.0	128.6	84.4	112.9	97.3	121.5	106.2	107.6	116.8	115.8	107.0	129.6	96.1	86.5	107.3	117.9	84.2	107.6	84.4	122.7	63.2	122.5	124.0	121.9	125.1	112.8	111.2	120.5
ETFB	61.2	62.3	61.5	52.2	57.7	46.9	80.4	58.2	57.6	53.9	74.3	81.4	42.4	39.4	49.0	52.0	50.4	50.5	65.6	56.2	50.4	45.4	58.7	67.0	60.5	39.1	67.2	57.9	36.7	55.8	63.6	57.0	33.7	57.2	83.0	61.1	39.6	38.6	56.4	63.5
ETFDH	53.1	51.4	55.8	52.2	52.4	37.5	49.9	64.7	46.7	63.2	41.6	46.7	57.9	39.4	27.1	44.9	41.4	47.0	42.2	36.2	54.2	50.6	58.9	46.7	30.9	39.3	50.1	56.2	29.3	34.7	31.3	44.6	24.0	41.8	53.0	47.2	55.9	41.1	54.2	60.8
ETHE1	2.3	4.1	3.4	3.7	4.1	4.1	4.7	3.2	3.3	4.2	4.5	5.4	3.7	4.3	5.8	3.5	4.3	5.0	5.1	4.9	5.6	4.1	4.2	4.3	3.0	2.7	3.8	4.4	3.9	5.3	3.2	3.1	5.3	3.5	4.1	4.1	4.5	3.2	2.7	3.4
ETS1	9.1	8.9	8.4	9.6	16.0	11.2	9.4	10.6	11.1	13.1	9.4	8.7	10.4	7.9	12.4	7.7	9.7	9.2	10.6	13.4	10.0	10.4	8.8	9.7	6.0	16.6	5.7	9.8	6.1	6.1	10.7	12.3	38.6	15.4	8.2	8.5	11.9	7.4	11.1	15.3
ETS2	9.1	10.6	10.9	23.2	13.4	13.2	14.9	8.9	13.3	14.0	10.8	9.1	17.1	10.7	22.9	14.4	14.9	11.1	13.1	12.0	13.5	12.2	9.3	9.5	10.5	18.6	9.7	11.9	9.5	17.7	11.7	18.0	43.1	17.1	10.8	11.0	17.6	13.8	23.1	13.1
ETV1	4.0	7.8	3.3	6.7	5.9	4.1	4.1	6.3	8.7	6.7	6.0	8.7	7.2	19.7	7.8	5.9	11.1	11.3	6.8	11.1	8.6	7.7	8.4	9.6	5.2	8.0	3.7	7.2	4.8	4.0	5.9	6.7	3.5	8.8	4.2	6.8	10.1	5.7	6.2	6.3
ETV3	3.5	2.5	1.8	1.8	2.3	2.6	2.2	2.5	3.3	3.3	3.5	2.7	2.6	2.8	2.4	3.5	3.5	3.3	2.7	4.8	3.2	2.5	2.1	2.2	1.7	2.7	2.8	2.8	1.2	2.0	2.0	2.8	6.1	4.1	2.1	4.0	4.0	3.3	2.9	3.6
ETV5	0.6	1.1	0.9	0.9	1.4	0.5	0.6	1.3	3.4	1.6	1.3	3.3	1.1	3.2	3.0	1.2	1.9	2.0	1.3	3.6	1.8	1.5	0.9	2.7	1.7	1.7	0.8	0.7	1.0	0.6	0.6	2.0	2.7	3.0	0.7	1.4	1.3	1.2	1.3	1.1
EVC	0.8	1.1	0.7	0.7	1.5	1.1	1.1	1.4	2.4	1.3	1.7	0.8	1.8	1.8	4.8	1.4	1.6	1.6	1.8	4.8	2.2	1.8	1.3	1.2	1.2	2.6	1.0	1.8	1.8	0.7	0.9	1.3	3.7	3.1	1.3	1.7	2.6	1.4	1.5	2.0
EVI2B	1.1	1.2	1.0	0.5	2.7	2.1	3.1	4.7	2.2	1.2	0.6	0.3	3.2	0.6	3.2	1.8	3.1	1.7	1.7	1.7	2.4	1.0	1.0	0.8	0.3	1.2	1.5	1.5	0.4	2.3	0.5	1.6	15.8	1.4	0.8	2.6	2.3	1.6	4.1	2.1
EVI5L	4.6	4.7	5.3	5.4	5.2	4.8	4.6	6.0	5.1	4.7	4.5	5.3	5.8	6.5	4.8	4.7	5.0	4.6	6.0	4.6	4.7	4.3	5.2	4.5	3.5	4.9	4.8	4.9	3.9	4.3	4.7	5.4	3.6	5.1	4.0	4.7	5.9	5.9	4.9	4.6
EVL	9.2	8.9	10.3	13.7	11.5	11.3	11.5	7.3	16.2	13.2	18.9	16.3	18.9	12.4	21.4	17.8	13.8	14.8	14.6	17.4	14.6	14.1	13.1	14.6	10.9	14.8	12.4	16.4	12.3	17.1	12.7	15.7	23.7	16.1	12.5	12.3	12.4	12.1	13.5	13.8
EWSR1	35.4	29.7	36.9	40.1	36.9	35.8	29.3	35.3	44.6	35.7	37.7	37.5	39.2	37.1	46.8	33.7	37.3	36.6	39.7	43.1	36.6	34.4	37.8	36.7	34.0	37.4	44.0	43.0	30.3	38.7	36.3	41.0	44.3	41.3	36.8	41.7	39.1	38.1	40.7	39.7
EXD2	2.6	3.0	2.3	3.0	3.5	2.4	2.1	3.0	3.1	2.6	2.9	2.6	3.5	3.5	3.5	2.8	3.0	2.7	2.6	3.2	3.2	2.7	3.0	3.0	2.0	2.8	2.8	3.5	2.4	1.9	2.6	2.9	3.2	3.2	2.4	2.6	3.5	2.4	3.0	3.2
EXOC1	6.3	6.7	5.8	6.5	6.9	5.8	4.9	6.1	8.5	6.3	7.2	6.8	8.9	8.1	8.2	7.0	7.9	8.5	6.1	8.9	7.5	7.0	7.4	7.4	5.2	6.2	7.8	7.3	4.5	6.9	6.5	6.5	9.3	7.7	6.1	7.3	7.4	6.8	7.0	8.2
EXOC2	2.9	3.1	3.3	3.9	3.3	3.3	2.8	3.8	5.0	4.0	4.1	4.0	4.7	4.6	3.4	4.6	5.6	4.3	4.1	4.5	5.3	3.7	6.1	4.6	2.4	4.5	3.4	4.1	2.8	3.1	3.0	5.0	5.3	4.6	3.6	3.5	5.7	4.3	4.1	4.3
EXOC3	10.0	10.9	8.4	8.1	13.0	10.4	9.6	12.2	12.2	7.8	10.4	8.4	13.0	10.8	12.4	11.0	9.9	9.3	11.0	12.7	10.9	10.7	10.2	11.1	8.9	9.1	10.9	11.5	10.9	11.1	8.3	10.5	12.1	12.0	9.9	12.4	11.4	10.4	12.4	12.6
EXOC4	6.6	7.1	6.7	6.2	7.4	7.0	6.3	7.9	7.2	6.5	7.2	5.4	8.0	7.5	8.6	7.0	6.9	8.5	5.7	8.7	6.9	6.7	6.8	9.1	3.6	7.3	8.0	6.4	5.7	5.1	4.8	6.6	9.5	7.9	6.2	5.7	8.2	5.4	7.1	8.3
EXOC5	4.5	3.5	3.8	3.9	3.6	2.9	3.3	4.1	5.0	3.8	4.5	3.2	3.9	4.9	2.3	3.8	3.8	4.5	3.5	4.9	4.2	3.9	4.1	3.8	2.3	3.7	3.5	4.2	2.0	2.7	2.9	4.0	4.3	5.1	3.6	3.9	5.6	3.6	3.5	4.5
EXOC6	2.7	2.0	1.9	1.7	2.6	2.7	2.1	2.2	2.4	1.8	2.2	2.0	1.9	2.6	1.9	2.2	1.6	2.5	2.1	3.0	2.0	1.9	2.2	3.7	2.5	2.0	2.1	2.2	1.0	1.7	1.6	1.8	3.0	2.6	1.7	3.0	2.2	1.8	3.9	3.6

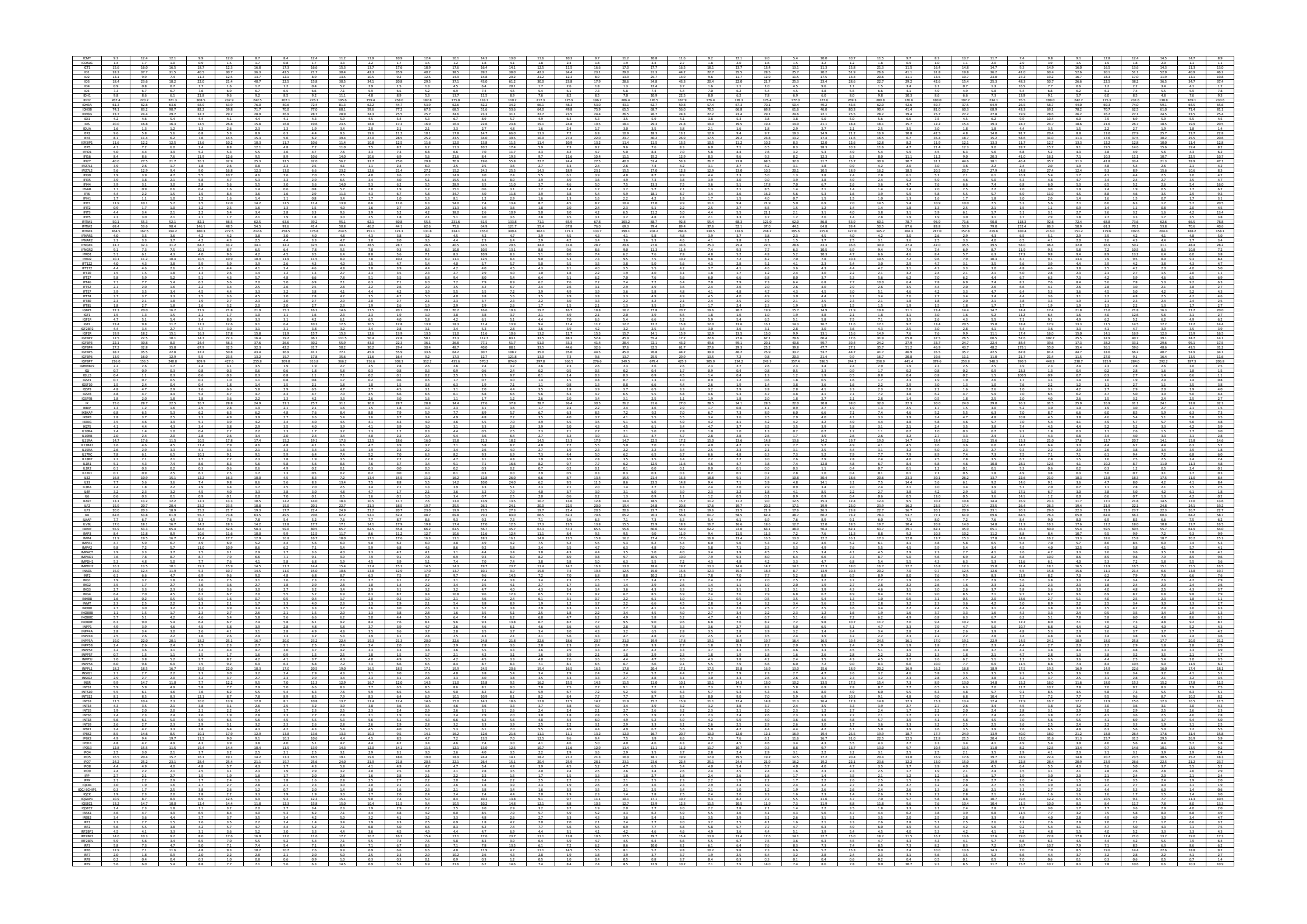
EXOC6B	17.5	18.3	16.8	16.5	10.6	12.6	12.6	15.0	26.6	24.2	23.0	13.0	12.0	27.6	6.9	16.3	32.6	28.7	19.0	19.6	16.5	20.9	23.2	18.8	8.8	16.8	14.0	17.3	6.1	5.5	13.8	18.0	13.1	22.1	15.1	24.4	30.6	22.1	15.5	20.8
EXOC7	13.1	13.3	11.1	13.0	15.3	14.3	12.2	13.6	15.2	13.8	16.0	14.4	17.3	18.2	19.7	13.4	14.7	14.8	16.3	17.7	16.6	15.1	15.3	15.3	11.5	13.4	16.3	16.3	13.4	13.9	13.1	14.2	18.5	18.3	15.0	13.8	17.6	15.9	16.7	14.9
EXOG	3.4	7.5	4.5	3.9	3.2	4.1	3.6	3.9	4.0	2.5	3.1	3.2	4.8	5.4	3.3	3.0	4.4	3.3	3.1	3.1	3.1	3.6	4.8	3.3	3.6	3.8	4.8	4.9	3.8	3.3	4.9	4.5	4.0	4.8	2.9	4.5	4.6	5.3	5.7	3.4
EXOSC1	3.3	3.8	4.4	4.0	4.3	4.5	4.5	4.4	4.3	4.6	3.7	4.9	6.2	5.8	4.8	5.2	7.5	3.1	4.2	3.9	5.3	3.6	4.2	4.3	3.7	4.0	4.1	2.3	3.8	6.2	4.1	5.0	6.2	4.2	4.5	3.5	3.5	5.1	4.4	4.7
EXOSC10	10.1	9.4	7.5	10.5	11.2	8.7	7.9	9.0	9.5	7.9	9.2	9.1	11.7	9.5	12.8	9.6	9.0	8.4	9.2	10.5	10.3	9.9	9.9	9.0	8.4	9.7	12.8	12.1	7.7	12.2	9.8	11.3	16.1	10.7	8.3	10.2	12.2	8.6	12.1	11.7
EXOSC2	3.4	3.0	2.7	2.8	2.1	3.1	2.4	2.8	3.6	2.9	3.2	3.7	2.7	3.4	4.0	3.0	2.8	3.7	3.1	3.4	3.2	3.5	4.0	3.1	2.5	3.1	3.8	2.7	2.3	2.2	2.9	2.7	5.0	3.8	3.4	3.1	3.0	2.8	4.2	3.0
EXOSC3	2.8	2.7	2.4	2.6	2.5	2.3	2.4	3.6	3.7	2.4	3.3	2.6	2.7	3.7	3.7	2.7	2.7	4.0	3.0	3.7	3.2	3.1	2.9	2.9	2.7	2.7	4.3	2.9	2.8	3.6	3.2	2.5	4.8	3.9	4.2	3.5	4.6	3.0	3.9	3.3
EXOSC4	5.3	4.1	5.2	6.6	5.9	5.6	5.2	3.9	5.5	3.6	4.8	6.1	5.7	5.5	5.3	4.6	5.0	4.0	6.7	4.6	5.4	4.7	5.0	5.4	5.4	3.3	3.6	6.4	5.2	5.9	4.4	4.3	5.0	5.8	4.5	4.8	5.1	4.4	4.6	4.7
EXOSC5	3.4	4.3	4.0	2.4	4.6	3.5	4.3	2.7	3.5	3.2	4.9	5.8	3.6	2.6	4.4	3.9	3.0	4.1	4.5	5.0	4.0	3.0	3.3	4.6	4.1	2.6	4.8	6.3	3.2	4.3	4.0	4.9	4.4	4.1	2.6	3.7	3.7	3.6	2.8	3.8
EXOSC7	9.0	10.9	10.6	10.3	10.6	13.1	11.9	8.2	10.2	7.5	12.1	12.0	11.9	13.0	12.5	9.8	10.5	11.3	8.1	9.8	10.0	9.0	9.1	12.4	11.9	8.4	14.6	10.8	8.5	14.2	10.4	12.4	12.9	14.7	11.5	10.3	10.4	9.3	12.0	11.1
EXOSC8	4.3	5.5	5.1	5.4	4.8	4.7	4.6	4.9	6.0	5.7	6.7	6.0	6.3	5.9	6.4	4.8	5.7	5.7	6.1	6.4	5.8	4.2	5.6	4.9	5.7	6.6	6.9	6.7	5.3	7.2	5.5	5.9	7.6	5.9	5.9	5.2	6.0	4.3	6.5	5.2
EXOSC9	4.3	6.1	4.8	6.1	6.0	5.9	6.3	4.6	5.9	5.3	5.0	6.1	6.2	7.3	6.7	5.9	6.3	5.8	5.1	6.6	5.6	5.8	6.3	5.5	5.9	6.6	5.3	5.0	4.4	6.9	6.1	6.5	8.7	6.1	4.3	5.3	6.7	4.4	6.3	8.1
EXT1	3.1	2.7	2.0	2.7	6.2	3.0	2.5	4.6	8.3	6.0	5.2	6.4	5.0	6.2	12.1	5.2	6.1	6.1	4.0	12.9	6.3	6.1	5.6	6.4	5.6	10.0	3.8	5.3	5.5	5.7	6.1	7.4	6.7	8.3	4.2	5.4	4.4	5.9	4.3	6.0
EXT2	5.6	7.0	6.1	7.5	7.7	7.1	5.8	7.4	9.6	7.1	8.9	6.4	9.8	10.1	12.5	7.0	7.8	7.0	8.7	12.1	11.0	7.9	6.3	6.4	5.6	8.1	8.0	7.3	7.0	7.0	7.3	9.0	11.0	8.6	6.7	7.6	10.5	8.5	7.6	7.8
EXTL2	2.8	2.6	2.1	1.7	3.3	2.2	2.5	3.3	3.9	2.4	3.2	2.4	3.5	3.2	3.4	3.1	1.9	3.0	2.9	4.6	3.9	3.4	2.5	2.9	2.4	3.8	2.5	3.0	2.8	2.3	2.1	2.7	2.5	2.9	2.9	2.1	3.3	1.8	2.8	3.4
EXTL3	10.5	9.1	6.3	13.6	10.9	8.5	9.4	11.4	14.1	9.4	13.6	9.0	9.8	13.6	8.7	13.0	8.7	7.9	10.9	10.7	10.9	12.1	14.4	11.4	6.7	9.5	12.4	11.6	7.1	9.1	7.8	12.2	6.1	10.1	9.0	9.9	12.3	12.3	13.7	11.4
EYA1	2.6	2.4	2.6	2.1	3.2	2.2	1.9	1.4	2.6	4.1	2.8	2.6	3.0	2.9	1.5	2.9	2.7	2.8	2.2	1.9	2.5	2.9	3.1	3.3	1.4	2.2	3.8	5.1	1.9	1.8	3.4	2.3	0.9	1.9	5.0	6.6	3.4	2.9	4.5	3.7
EYA3	2.1	2.3	2.2	2.4	2.2	2.1	1.8	2.4	2.7	2.6	2.5	3.1	2.6	3.0	2.2	2.6	2.5	2.9	3.0	3.6	3.0	2.2	2.9	2.7	1.8	2.2	2.7	2.7	1.8	2.1	2.9	2.2	3.5	3.4	2.5	2.5	3.6	2.3	3.5	2.6
EYA4	5.7	3.6	5.5	4.2	2.4	1.4	3.0	1.3	4.4	1.4	3.5	1.7	3.4	6.0	0.8	3.8	5.0	3.1	2.4	0.9	4.2	4.6	2.0	1.3	0.8	0.6	7.7	3.1	0.6	1.9	3.0	3.6	2.7	2.9	1.9	5.8	7.8	8.8	1.7	5.3
EZH1	12.9	13.5	10.1	9.9	13.1	14.1	11.1	10.3	15.6	13.3	14.0	15.2	16.5	13.0	17.2	16.5	13.4	15.3	12.5	15.7	13.7	13.9	14.3	13.8	12.7	13.3	17.7	14.0	10.9	12.3	11.4	11.3	21.6	16.1	13.5	13.3	14.5	10.1	17.8	13.7
EZR	53.7	45.5	47.2	51.3	71.0	49.4	46.1	53.0	62.8	48.3	55.5	56.8	48.7	51.8	52.7	65.3	45.0	46.4	46.6	44.9	50.4	48.4	41.8	55.7	47.6	56.0	73.9	52.8	40.7	48.7	43.9	52.1	55.6	75.8	56.5	55.6	72.7	58.6	55.3	51.9
F10	2.0	2.1	2.3	0.4	1.5	2.0	2.1	2.1	3.7	1.9	3.0	1.8	4.3	5.4	7.4	3.3	3.5	2.8	2.4	7.7	4.2	2.9	1.9	1.8	2.9	3.2	2.6	3.2	2.0	5.5	2.8	4.0	4.5	3.6	1.5	2.9	4.2	2.9	2.1	1.9
F11R	2.4	2.5	1.4	2.4	3.3	2.7	2.4	2.3	3.6	2.0	2.1	2.0	3.0	2.4	3.6	3.5	2.8	3.0	2.7	4.8	3.1	3.0	1.6	2.0	1.4	2.3	2.2	2.1	1.1	3.1	2.6	2.3	6.7	2.7	1.4	2.6	2.3	2.4	3.0	2.5
F13A1	27.3	15.6	22.9	12.9	49.9	26.2	29.7	37.9	19.1	11.9	6.3	1.2	32.1	2.3	21.7	23.8	33.8	26.7	21.7	31.0	25.3	7.9	2.8	2.3	3.8	8.5	13.3	12.2	9.2	5.9	2.5	5.6	41.7	14.9	2.8	14.5	18.6	12.5	12.0	16.5
F2R	2.4	4.7	2.0	2.7	5.7	3.8	2.6	4.1	11.5	9.3	6.5	5.1	12.5	9.4	17.5	6.3	15.1	10.0	8.1	17.5	9.9	8.5	7.3	5.0	4.4	17.5	4.0	11.4	11.1	3.6	2.3	11.0	23.3	27.2	4.1	16.6	22.0	18.8	7.5	5.2
F2RL3	0.1	0.1	0.3	0.0	0.2	0.2	0.2	0.0	0.3	0.2	0.0	0.1	0.1	0.5	0.2	3.7	0.7	0.2	0.3	0.8	0.0	0.0	0.0	0.0	0.6	1.4	1.0	1.2	0.1	2.8	0.3	1.4	6.3	1.1	0.3	1.6	1.0	1.2	0.3	0.7
F3	11.0	13.6	6.5	11.6	8.6	14.5	7.5	8.3	15.7	4.0	15.1	15.0	10.4	11.3	7.2	7.0	5.4	10.9	13.4	10.9	12.0	14.7	21.0	21.3	13.4	17.5	17.0	23.0	7.5	21.4	10.6	20.8	13.3	13.8	13.6	4.0	10.8	8.0	8.4	14.7
F5	9.0	1.6	3.2	0.8	2.5	2.3	2.5	1.8	2.3	0.3	1.8	0.8	0.3	0.1	0.2	1.5	0.3	0.4	1.0	0.6	0.7	2.7	1.3	1.2	0.5	0.1	1.2	0.3	0.1	0.2	0.3	1.0	0.3	0.4	1.1	0.3	0.1	0.1	0.4	3.9
F8	19.1	13.5	10.7	13.9	19.8	15.8	10.1	15.6	9.1	10.2	9.0	13.2	6.9	5.1	9.7	14.1	10.1	15.2	12.7	8.1	13.4	8.6	13.5	13.2	3.9	6.0	9.2	6.7	3.1	9.5	12.5	11.2	13.0	7.8	8.8	9.5	8.5	6.2	13.8	12.0
F8A1	10.4	9.4	10.7	12.8	11.9	10.0	9.3	10.5	13.7	9.2	10.7	10.2	10.7	13.5	13.5	9.7	10.4	10.4	9.1	10.9	11.5	12.0	10.1	10.3	10.4	9.0	12.5	12.4	9.2	11.2	11.1	10.4	8.4	8.2	8.6	9.8	8.3	7.4	8.5	11.3
FABP3	1100.0	1329.6	1422.2	1147.0	1001.2	1224.3	1244.6	1682.5	1165.8	1246.2	1243.3	1369.7	1124.9	1127.5	934.6	1279.9	1261.4	1491.0	1582.9	1077.9	1072.4	1266.0	1574.2	1372.8	1103.2	987.7	1487.3	1473.0	808.5	1405.2	1254.2	1446.7	591.9	1179.5	1429.3	1484.5	1259.8	1350.8	1462.1	1334.8
FABP4	34.4	54.2	23.0	32.2	163.0	69.1	49.6	82.4	57.0	54.1	41.9	96.5	71.3	102.6	85.9	60.2	106.8	74.8	81.2	34.8	352.6	49.7	107.3	80.7	43.7	27.1	21.8	43.2	40.3	72.9	83.8	85.9	323.2	39.5	44.8	44.2	47.1	60.3	78.7	81.1
FABP5	128.5	71.4	77.8	82.5	153.4	95.3	95.0	96.0	58.5	46.4	73.0	68.1	56.6	34.6	80.7	39.9	50.0	70.7	84.4	47.8	109.4	65.6	77.2	89.1	27.4	53.8	61.5	68.7	44.8	44.5	95.1	89.3	75.6	63.9	83.6	40.8	63.1	44.6	52.6	81.8
FADS1	3.0	5.3	3.5	4.8	5.9	3.3	3.8	4.9	6.9	3.4	5.4	4.1	5.3	6.4	6.8	5.0	4.8	4.3	3.7	7.4	5.6	5.5	5.2	4.9	3.9	4.0	4.4	3.5	6.4	3.6	3.6	4.5	4.7	8.0	4.0	4.0	5.3	2.9	4.5	5.7
FADS2	3.7	3.4	2.5	1.8	4.5	4.8	1.7	4.3	7.2	3.6	5.3	3.3	7.7	7.0	14.2	3.3	3.5	2.8	3.8	7.8	5.7	6.9	3.3	3.2	2.5	9.5	3.4	4.9	7.6	7.0	5.2	3.4	3.2	5.1	2.5	2.7	7.7	2.1	2.6	4.0
FADS3	12.8	22.5	27.0	34.6	23.9	15.6	14.7	13.1	19.9	11.2	12.9	14.1	19.3	24.2	22.8	13.5	17.8	12.0	14.0	18.9	21.9	20.3	20.7	11.5	12.7	15.1	17.0	22.4	18.3	21.5	27.5	22.4	17.9	19.9	11.8	18.9	26.8	24.1	17.6	13.3
FAF1	15.4	15.3	14.0	16.0	13.6	12.9	13.1	13.9	13.9	12.7	14.9	11.1	15.9	15.2	13.1	15.1	12.4	13.2	10.3	11.9	12.1	13.2	15.0	14.2	10.1	12.6	12.3	13.7	9.9	12.2	11.4	13.4	12.3	13.5	12.8	13.4	15.1	10.8	14.3	15.7
FAF2	3.0	3.8	3.5	4.2	4.5	3.3	3.3	4.1	5.1	4.2	3.8	3.5	4.3	5.1	6.3	4.4	4.0	4.4	4.3	5.9	5.2	4.3	3.8	3.7	3.1	3.9	4.7	4.3	3.2	4.2	4.1	4.9	6.8	4.8	4.3	4.7	5.9	3.8	5.1	5.4
FAH	6.4	5.9	5.5	4.7	6.6	8.1	7.1	5.7	5.5	5.1	7.2	4.9	6.7	6.7	6.8	8.5	6.9	7.9	7.0	4.8	20.0	3.9	6.8	8.6	4.4	4.2	6.2	6.1	4.3	5.1	6.1	6.7	7.9	6.4	3.3	7.3	8.8	5.2	5.9	7.2
FAHD1	6.5	3.5	4.8	5.8	4.9	5.8	4.5	6.6	4.6	3.5	4.9	4.9	3.5	5.1	3.9	4.9	3.5	4.6	3.4	3.9	5.9	3.7	4.0	4.9	3.6	2.0	3.5	5.1	2.7	3.9	3.3	4.8	1.8	4.9	3.3	3.5	6.0	3.1	3.3	4.8
FAHD2A	13.6	14.8	14.5	16.3	9.5	14.3	12.7	10.8	12.4	11.2	12.8	14.6	11.7	8.8	10.6	12.9	11.7	10.5	15.3	13.7	12.3	13.7	14.2	12.9	12.6	8.5	12.0	18.3	10.2	13.8	11.7	13.4	10.7	13.4	14.3	14.9	12.6	10.7	15.2	13.3
FAHD2B	6.4	9.4	4.9	7.7	6.8	7.8	5.5	5.1	6.7	6.4	9.9	9.1	7.1	5.2	6.1	6.4	6.7	6.6	8.2	7.8	7.7	6.6	7.9	8.1	6.0	5.9	10.2	7.0	6.3	7.7	4.8	5.9	4.7	6.2	7.4	6.3	5.5	4.6	7.8	6.9
FAIM	1.0	1.8	2.9	1.5	2.5	2.0	1.5	1.1	2.4	1.8	1.5	2.0	3.2	2.1	5.0	1.6	1.9	1.7	1.3	3.5	3.5	2.4	2.1	1.6	2.1	2.8	2.8	1.1	2.4	1.8	2.1	2.1	2.6	1.8	1.3	1.8	2.2	1.6	2.7	2.0
FAIM3	0.2	0.5	0.2	4.2	0.7	0.3	0.7	0.4	0.4	0.7	0.4	0.3	0.9	0.3	0.4	0.4	0.8	0.4	0.6	0.6	0.3	0.3	1.2	0.4	0.2	0.6	0.6	0.9	0.6	0.3	0.5	0.5	10.5	0.4	0.2	0.5	0.8	0.1	1.1	0.2
FAM100A	5.8	6.6	6.9	5.6	9.0	5.6	5.7	6.2	5.2	7.3	5.9	7.3	6.4	6.0	7.4	6.7	7.5	5.2	6.6	5.5	6.7	6.2	5.3	5.5	9.0	5.6	7.7	7.1	6.1	7.1	5.9	6.7	12.9	8.6	9.0	7.8	10.1	7.9	10.5	5.2
FAM100B	4.1	5.1	4.6	9.1	7.5	5.4	6.5	6.2	7.0	7.0	4.7	8.1	5.4	8.0	9.4	5.9	9.9	5.5	6.0	4.8	6.5	5.3	7.6	6.0	9.9	9.4	11.6	7.2	4.9	9.2	6.5	5.9	16.7	7.0	6.3	8.0	7.8	7.3	13.3	5.9
FAM101B	4.3	3.1	3.7	4.2	4.6	3.7	1.8	3.7	1.7	2.5	1.9	2.0	2.4	2.0	4.2	2.1	3.0	3.4	2.4	4.8	3.1	3.2	3.1	2.0	1.5	2.2	2.3	3.6	2.6	2.8	2.4	2.3	7.1	6.9	3.2	3.4	4.4	4.8	4.0	2.4
FAM102A	3.5	2.8	2.3	2.6	4.3	3.0	2.3	2.2	4.4	4.2	5.1	5.3	3.7	6.0	7.3	3.8	3.3	4.1	3.9	4.9	4.9	4.7	4.4	5.3	1.8	4.7	2.5	4.0	2.9	2.4	3.1	3.7	6.8	2.9	2.3	1.9	3.0	2.3	2.5	4.1
FAM102B	0.9	0.7	0.5	0.7	1.0	1.3	0.6	1.5	3.1	1.4	1.7	0.9	1.7	1.8	1.8	1.1	1.6	2.2	2.0	3.9	1.5	1.3	1.1	1.1	1.6	2.6	0.8	1.5	1.7	0.9	0.7	1.2	3.7	3.1	1.6	1.2	2.2	0.8	1.4	1.4
FAM103A1	5.2	5.4	4.1	5.6	4.6	6.4	5.5	4.8	5.9	5.1	7.8	6.3	5.3	5.8	6.7	5.9	4.1	5.1	4.6	5.8	5.5	5.3	5.5	6.1	3.8	4.6	5.6	7.2	4.5	5.9	4.5	7.3	5.2	6.1	6.7	5.4	6.0	5.3	6.7	5.6
FAM104A	4.0	4.4	5.0	4.8	5.3	5.2	4.3	4.5	5.4	4.7	4.5	4.7	5.6	6.2	7.1	4.8	4.6	4.5	4.0	5.0	5.0	4.3	4.8	4.3	3.8	4.6	5.4	5.0	3.7	4.7	6.1	6.7	5.9	4.1	3.4	4.0	5.6	4.6	5.5	5.1
FAM104B	3.7	3.4	2.5	3.9	2.6	2.7	3.8	4.6	3.8	3.6	3.7	4.2	3.7	3.5	3.5	2.8	3.9	3.5	2.9	3.8	3.2	3.4	2.9	4.0	2.3	2.8	4.3	3.4	2.1	2.3	2.9	2.3	2.5	2.9	2.8	2.1	3.0	2.4	3.3	3.2
FAM107A	27.2	30.6	25.8	26.2	27.1	27.5	30.9	25.6	20.0	13.9	15.0	15.1	15.9	8.9	18.8	30.6	19.3	18.9	20.5	14.4	20.8	17.9	14.4	11.0	18.7	20.8	27.8	21.2	11.2	38.2	22.2	27.9	45.1	23.4	28.3	21.3	27.2	24.3	39.8	16.3
FAM107B	1.2	1.1	0.6	0.7	2.1	1.4	0.9	1.0	3.1	2.9	1.5	1.2	3.9	2.4	4.3	1.6	2.6	2.6	2.3	5.0	4.9	1.7	1.2	1.7	1.5	4.0	0.8	1.9	1.9	1.9	0.7	1.6	7.9	2.8	1.4	1.4	1.9	1.0	2.4	2.2
FAM108A1	14.4	14.3	14.5	15.1	22.3	19.9	15.9	15.0	16.9	15.5	15.7	17.7	18.4	18.2	20.2	15.3	17.6	15.9	17.9	19.5	23.9	17.2	15.1	15.7	13.3	12.4	15.7	18.0	14.3	18.5	18.7	19.0	20.5	16.7	18.9	16.0	22.1	21.2	15.2	13.7
FAM108B1	1.8	2.0	2.2	1.8	2.7	1.8	1.6	1.2	1.8	1.6	2.7	2.0	2.1	2.4	1.4	2.4	2.0	2.2	1.3	2.1	2.0	1.8	1.6	2.0	1.3	1.4	3.1	2.1	1.1	1.2	1.7	1.3	3.2	1.9	1.2	2.3	1.7	2.0	2.1	3.0
FAM109A	2.6	3.2	2.8	3.1	3.0	2.1	2.0	2.0	2.8	2.0	2.5	2.9	2.5	3.6	2.6	2.2	1.5	2.4	2.7	2.8	2.8	2.6	2.5	2.1	2.1	3.0	3.5	3.4	2.7	2.7	3.5	3.5	2.7	3.6	2.6	1.9	2.3	4.3	3.1	2.5
FAM110B	5.0	3.9	3.8	2.9	6.2	3.8	3.7	4.0	6.3	5.6	4.8	5.5	4.8	6.3	5.9	4.4	4.4	6.4	5.4	6.6	5.0	5.7	5.5	6.2	3.9	6.6	4.7	5.6	4.1	3.4	5.4	4.8	3.3	4.2	3.3	4.2	3.3	4.1	4.4	5.8
FAM111A	2.1	1.9	1.3	1.5	2.5	2.2	1.5	2.1	2.9	2.0	1.9	1.9	3.1	1.6	2.4	1.2	2.2	2.2	2.5	4.2	2.9	1.9	2.0	3.0	1.1	2.4	2.0	1.8	2.0	1.6	2.1	2.2	5.8	2.5	1.6	2.0	3.3	1.2	2.2	2.5
FAM113A	2.2	2.5	1.8	3.2	3.4	3.3	2.5	2.0	4.6	2.6	2.6	2.9	3.8	4.1	6.3	2.7	2.5	2.9	3.1	4.6	4.2	2.8	2.3	3.1	3.1	4.2	3.1	4.4	4.6	4.0	3.5	3.7	9.8	4.2	3.0	2.7	4.3	3.2	3.5	2.8
FAM114A1	2.7	2.5	2.6	4.0	5.2	2.5	2.1	3.8	2.9	3.5	3.3	2.5	4.7	4.6	6.7	3.4	3.2	3.0	3.9	5.3	3.8	3.6	2.7	1.9	1.1	4.6	2.4	3.1	3.6	2.2	2.6	3.4	4.5	4.1	2.1	2.8	4.5	3.5	2.8	3.1
FAM114A2	4.9	4.7	4.7	4.8	4.9	5.0	4.6	4.9	5.2	5.0	5.7	4.9	6.0	6.7	4.9	5.3	5.4	6.8	5.0	5.8	5.9	5.1	5.9	5.6	3.7	5.2	5.1	5.2	4.3	4.9	4.1	5.9	5.9	5.8	4.2	5.2	5.7	5.2	5.6	5.6
FAM115A	9.8	7.2	7.2	5.9	9.9	7.6	5.7	8.8	10.3	7.9	11.1	8.7	7.6	9.9	4.6	10.2	10.1	10.9	10.2	12.1	10.6	8.6	11.7	8.3	4.9	6.9	11.3	6.3	3.7	4.7	6.6	4.9	7.7	10.4	9.5	11.2	11.4	8.2	10.6	12.2
FAM116A	2.2	3.3	1.9	3.1	3.9	3.4	2.8	2.8	2.9	2.3	2.4	2.7	3.2	3.2	3.1	3.0	3.0	2.7	2.9	3.9	3.1	2.9	2.8	2.8	2.7	3.7	3.8	3.1	2.6	2.9	3.0	2.7	5.1	3.4	2.9	3.5	4.3	2.5	4.2	4.2
FAM117A	6.3	3.0	2.4	1.5	4.2	5.1	3.4	4.8	5.5	3.4	5.8	3.9	3.9	3.4	7.2	3.9	2.4	3.7	4.0	4.5	3.8	5.1	4.3	5.0	3.1	4.8	3.7	4.0	2.9	5.6	4.1	4.0	4.3	2.7	2.8	2.4	2.0	2.7	3.8	6.6
FAM118A	2.7	3.0	2.6	2.4	2.9	1.7	1.7	2.2	3.1	2.0	2.8	2.7	3.3	2.6	3.9	2.3	1.6	2.4	2.4	12.5	2.1	2.3	2.2	1.7	3.1	4.8	2.8	3.6	3.6	3.5	2.8	2.8	5.3	3.9	2.9	6.9	1.9	2.0	3.3	2.2
FAM118B	4.5	5.5	6.4	10.8	5.6	4.2	4.2	4.6	6.4	6.0	6.6	5.5	9.7	6.8	6.5	7.3	5.5	7.0	6.5	5.5	5.8	7.1	4.8	5.2	2.7	3.5	6.9	5.4	4.0	3.9	7.7	8.6	4.3	6.9	4.8	6.5	6.9	9.2	3.7	5.3
FAM120A	23.3	25.9	20.8	26.7	25.9	21.4	22.3	31.5	26.7	25.0	27.0	24.2	23.4	28.8	20.6	24.0	25.6	26.3	26.3	26.2	25.1	24.1	25.0	26.0	17.6	21.6	24.5	27.3	16.9	16.7	18.6	23.3	24.3	31.9	23.7	23.7	30.7	23.7	23.1	26.1
FAM120AOS	3.3	2.8	2.4	2.4	3.0	2.6	2.1	2.8	3.8	3.4	3.4	3.4	3.7	4.4	4.5	3.2	4.0	3.2	3.4	4.3	2.6	3.0	3.1	3.7	2.7	3.4	3.5	3.2	3.0	2.2	2.3	3.3	4.1	3.7	2.6	3.1	2.8	2.8	4.4	2.2
FAM120B	5.3	6.1	5.8	4.9	5.8	5.2	4.2	5.7	7.0	6.5	6.3	6.3	6.8	7.7	6.1	6.6	5.9	6.7	5.8	8.3	7.2	7.5	6.3	7.0	4.4	6.3	8.3	6.9	4.7	5.3	3.6	5.9	7.6	6.6	5.7	7.0	8.0	7.2	6.4	6.0
FAM122A	2.8	3.1	3.4	4.3	4.2	3.8	2.7	3.9	4.5	3.5	3.7	3.2	4.1	5.0	3.6	4.3	3.6	3.8	3.9	3.8	3.6	3.3	4.0	3.2	2.2	3.9	4.1	4.2	3.2	3.2	3.6	4.5	4.3	3.9	3.5	4.0	5.2	3.6	3.8	3.9
FAM122B	3.7	4.8	3.6	4.2	4.3	4.2	3.8	4.2	5.9	5.2	5.0	5.5	6.0	6.1	6.0	5.4	5.4	5.6	4.1	5.6	5.5	4.8	5.1	4.5	3.8	5.2	4.7	4.5	4.3	4.5	4.9	5.5	7.2	6.4	4.2	4.7	6.2	6.0	5.8	4.4
FAM124A	3.2	1.8	1.5	1.0	2.3	1.4	1.9	1.7	2.0	1.8	2.6	1.3	2.9	1.1	1.5	3.7	1.7	1.7	2.2	1.9	2.3	1.5	2.2	2.0	1.0	1.5	1.4	2.6	1.0	1.1	1.4	1.4	1.9	0.6	2.3	0.8	1.6	0.7	2.3	3.5
FAM125A	4.0	3.5	3.3	5.0	3.5	4.5	2.6	3.4	4.5	3.4	3.8	3.2	5.3	6.1	5.6	4.2	3.5	3.2	3.6	5.1	6.1	3.6	2.8	3.1	2.6	3.2	2.9	4.6	4.4	6.1	3.2	5.1	6.9	3.7	5.1	4.0	4.3	3.1	3.3	3.5
FAM126A	2.5	2.4	1.6	2.1	2.3	2.1	2.0	2.4	3.4	1.7	2.5	1.7	2.0	2.9	1.9	2.4	2.2	3.0	2.4	4.4	2.4	1.9	2.0	1.9	1.7	2.7	1.8	2.1	1.6	1.4	2.3	2.4	3.8	3.0	1.8	3.1	2.6	2.5	2.5	3.2
FAM127A	83.5	89.8	86.6	101.9	120.9	102.7	90.3	108.4	118.4	90.8	112.6	116.5	121.5	136.9	101.8	125.9	112.3	105.0	108.3	79.2	111.6	97.8	94.3	88.6	97.8	80.9	113.6	119.4	89.1	143.7	119.7	121.1	77.1	119.2	97.1	101.2	129.2	106.0	99.9	88.3
FAM127B	19.9	18.1	17.6	21.9	22.3	16.9	14.7	18.2	16.2	11.6	13.6	15.0	19.9	19.9	21.3	16.1	16.9	14.0	15.4	13.6	18.5	14.6	13.8	16.0	15.9	13.7	16.7	20.1	14.9	19.3	18.7	19.0	18.2	15.8	16.0	14.4	18.3	14.5	16.1	15.5
FAM127C	3.8	5.3	3.5	7.6	5.5	4.4	4.1	4.5	4.4	4.9	3.7	4.5	5.7	6.0	5.5	4.1	4.5	2.8	4.7	3.5	5.7	4.2	3.9	3.2	3.0	3.7	4.7	6.2	4.0	4.5	4.9	6.0	4.5	3.8	2.9	3.2	5.1	3.9	3.9	4.1
FAM129A	59.2	72.0	65.9	77.9	33.0	32.1	48.9	39.9	47.5	59.7	79.3	35.7	52.5	58.4	39.8	49.6	66.0	62.4	56.5	51.1	56.4	71.9	87.6	56.0	23.0	51.9	86.1	91.7	29.5	51.5	67.3	68.2	43.5	67.7	61.3	81.9	82.8	77.6	69.8	92.1
FAM129B	9.1	7.4	7.0	9.6	10.1	8.0	8.0	8.2	11.6	8.0	8.7	7.2	10.7	13.3	19.9	6.4	8.4	8.8	9.0	11.8	10.7	10.6	7.1	6.0	8.0	8.5	8.9	8.2	11.0	6.8	7.6	9.1	13.2	13.6	6.9	8.4	9.7	11.0	7.5	7.2
FAM131A	5.3	5.2	6.3	4.1	5.1	4.3	4.9	6.1	5.0	4.9	4.8	4.0	5.7	7.0	5.0	5.7	5.5	5.7	5.7	5.4	4.9	4.8	4.0	3.6	5.7	6.8	4.2	6.2	4.1	7.7	4.7	5.4	6.2	9.6	7.6	5.4	8.1	5.9	5.2	3.8
FAM133B	1.5	2.4	1.2	1.9	2.4	1.0	1.8	2.8	2.2	1.3	1.0	2.7	3.5	2.0	3.3	2.6	1.5	3.6	1.7	2.0	1.9	1.3	1.8	2.9	2.1	1.7	3.0	1.9	2.9	4.0	2.5	3.3	2.8	2.9	4.1	1.9	3.8	1.9	3.6	1.8
FAM134A	4.1	4.4	3.4	4.5	5.7	4.0	3.9	4.5	5.3	4.3	4.6	4.7	4.7	6.5	7.5	4.6	5.0	4.2	4.4	6.7	6.2	4.7	5.5	4.4	3.9	4.9	5.4	4.7	4.3	4.0	3.3	4.5	8.2	5.1	5.1	4.4	5.4	4.5	4.9	4.7
FAM134B	73.2	49.9	33.2	18.1	84.5	45.5	40.6	36.9	58.0	60.9	47.5	52.7	35.5	44.4	30.9	71.8	35.5	61.1	45.4	49.5	45.4	51.4	52.2	54.6	38.4	46.9	45.8	43.3	18.8	28.9	31.5	44.4	23.5	40.8	44.5	33.7	33.5	18.1	43.0	49.6
FAM134C	3.9	4.2	2.7	3.6	4.0	4.2	3.5	3.7	4.7	3.6	3.9	3.9	5.3	4.9	6.0	4.2	4.0	4.3	4.1	5.4	5.2	4.0	4.4	3.7	4.5	3.5	5.9	4.1	4.0	4.5	4.4	4.0	6.7	4.5	4.8	4.3	4.9	3.4	5.8	4.6
FAM136A	7.0	8.2	6.2	8.8	6.7	6.2	5.0	5.9	7.8	7.7	8.0	7.4	7.3	7.7	5.7	3.8	6.5	5.5	6.0	6.8	7.5	6.2	5.8	6.4	4.2	6.2	6.7	7.9	6.3	6.1	5.4	4.7	5.3	4.7	6.2	5.8	7.4	4.5	5.2	6.8
FAM13A	3.3	2.5	1.7	2.6	4.2	2.9	3.2	3.3	3.5	2.3	4.1	3.3	5.2	3.8	3.7	3.4	2.7	4.4	3.7	4.8	5.1	3.2	3.0	3.7	2.2	4.6	3.9	4.1	2.9	3.9	3.6	3.3	7.5	3.6	2.1	3.8	3.7	2.7	5.0	4.2
FAM13B	6.5	7.7	6.5	6.8	7.2	4.9	5.9	6.2	7.3	3.4	5.7	3.8	5.9	8.5	5.2	4.1	5.9	6.5	5.3	6.9	5.9	4.7	6.5	4.9	4.3	3.1	5.5	5.3	3.5	4.5	6.8	6.4	6.5	6.9	7.4	10.4	8.1	8.3	9.9	6.8
FAM13C	1.8	2.4	1.1	1.6	3.2	2.8	3.0	2.2	2.9	4.4	2.8	3.8	3.1	4.6	5.1	2.4	3.1	3.4	2.9	4.1	3.9	3.0	3.3	3.0	3.0	4.0	4.3	4.3	3.9	2.8	2.1	3.3	7.2	5.1	3.0	2.4	2.7	2.3	5.4	2.9
FAM149A	2.4	1.8	1.9	2.7	2.5	2.0	1.2	1.2	1.2	1.1	3.4	1.4	2.2	1.3	3.8	2.1	1.6	0.9	1.0	2.4	2.1	2.4	1.5	1.8	1.2	1.5	2.1	2.3	1.7	1.4	2.0	1.3	2.1	1.5	1.3	1.6	1.4	1.5	1.5	1.9
FAM149B1	3.1	2.6	3.0	2.7	3.0	3.6	3.0	3.1	3.2	3.6	3.4	3.6	4.8	5.1	4.5	2.9	3.0	3.6	3.3	4.1	3.9	3.5	4.1	3.6	2.5	4.4	3.3	3.9	3.6	3.9	3.4	3.3	5.4	3.8	2.9	3.1	4.4	3.1	3.6	2.8
FAM155B	6.6	6.7	13.1	14.5	6.6	7.7	11.0	6.0	3.5	2.6	3.5	0.6	4.7	4.2	1.8	10.3	2.5	2.9	2.0	1.8	6.1	7.3	3.9	1.3	6.0	3.7	11.0	7.0	3.3	16.4	11.7	7.5	3.0	9.3	3.3	14.9	18.6	12.8	13.1	2.8
FAM156A	2.3	1.6	2.2	0.6	3.8	2.0	1.8	1.6	3.3	1.6	2.0	1.8	3.1	2.8	3.4	2.0	2.1	2.6	1.8	2.6	3.8	3.1	1.6	2.5	1.7	2.4	1.3	2.9	3.9	1.4	1.6	2.6	3.5	3.5	1.8	1.8	3.8	2.3	1.9	1.2
FAM156B	2.4	4.9	1.6	5.2	5.1	4.5	2.8	3.8	5.4	5.2	6.9	6.0	5.5	5.1	10.4	3.4	4.2	4.9	4.8	7.8	8.5	3.1	4.7	5.2	6.2	6.5	4.7	3.4	4.7	5.9	7.7	5.1	8.0	5.2	4.3	3.9	5.2	4.8	5.9	4.1
FAM158A	2.3	2.7	2.6	3.1	4.0	2.8	2.0	2.6	3.0	2.3	2.1	2.7	2.6	1.6	2.6	2.2	2.5	0.9	4.7	3.6	3.0	2.3	2.4	3.0	2.6	2.1	3.1	4.8	2.2	2.5	3.5	3.1	2.8	3.3	2.6	2.7	2.0	2.2	3.3	3.0
FAM160A2	3.2	4.0	4.0	3.4	3.5	4.0	3.0	3.3	4.4	3.8	4.4	5.0	4.3	4.7	6.4	3.8	3.9	3.9	4.1	5.3	5.2	4.6	4.2	3.8	4.4	3.6	5.8	4.6	3.9	4.4	4.4	3.9	7.5	5.1	4.4	3.5	5.0	4.9	4.7	3.8
FAM160B1	4.4	3.6	4.1	3.3	4.3	3.7	2.7	4.2	5.8	4.3	4.5	3.5	4.1	5.3	3.1	3.3	4.5	4.2	3.2	4.7	3.4	3.5	3.6	3.6	3.2	4.1	3.9	4.5	2.1	2.6	3.5	3.2	5.1	4.9	4.1	4.3	5.6	3.5	4.0	4.1
FAM160B2	7.9	9.2	8.5	10.3	11.6	9.6	8.8	8.5	11.4	10.3	10.5	12.3	12.4	13.5	13.1	10.6	12.2	9.7	12.0	10.8	12.0	11.5	9.9	9.9	8.4	9.9	11.3	12.3	9.1	12.2	11.1	12.5	12.6	12.3	10.4	10.5	12.4	13.4	11.1	8.6
FAM162A	67.4	55.5	57.4	52.0	53.2	58.7	57.0	50.8	54.3	49.8	59.3	56.5	55.7	62.0	48.4	54.6	51.8	54.5	52.6	56.8	60.9	60.8	55.6	62.4	49.2	46.8	53.7	47.4	37.6	68.7	58.7	56.6	33.0	50.5	55.8	50.4	54.0	49.3	52.1	58.1
FAM165B	4.6	6.3	4.4	6.8	4.5	5.5	4.5	5.7	5.8	6.3	6.0	4.7	6.9	6.2	5.4	5.8	4.2	4.1	5.3	5.1	5.5	5.9	5.9	5.0	5.3	7.1	6.6	6.5	3.9	6.0	4.8	4.8	5.6	6.4	5.0	5.7	6.4	6.0	6.5	5.1
FAM167B	2.0	0.6	0.7	3.9	0.7	1.6	1.5	1.4	1.5	1.5	0.8	1.0	3.2	1.2	1.7	0.4	1.1	1.5	0.8	1.2	1.3	1.6	1.3	1.4	0.6	0.6	0.2	0.4	2.4	0.8	0.6	1.1	1.3	0.6	1.0	0.2	0.9	0.7	0.8	0.5
FAM168A	6.0	4.5	4.3	4.6	6.0	5.4	4.2	6.8	6.3	5.6	4.5	3.7	4.3	6.7	6.6	5.0	5.5	7.2	6.3	7.2	6.0	5.9	4.0	5.2	2.2	5.5	4.0	5.5	3.4	2.4	3.5	3.8	7.2	6.7	2.9	5.4	6.0	4.0	4.2	4.5
FAM168B	17.1	18.3	16.9	16.6	19.2	15.3	14.4	18.7	21.4	16.4	20.6	16.3	16.0	19.6	18.1	15.1	16.8	18.9	16.0	20.2	18.4	17.2	17.6	17.1	14.0	14.3	17.8	17.4	12.8	13.4	13.7	16.1	18.8	22.7	18.9	19.4	21.3	18.5	17.8	19.9
FAM171A1	3.4	3.0	1.9	3.3	3.0	2.5	3.3	3.0	3.2	2.2	3.1	2.0	2.7	3.0	5.8	2.1	2.8	2.3	3.2	3.8	5.5	2.8	4.3	2.1	1.5	2.6	1.4	2.2	2.7	1.7	3.2	2.8	3.6	2.0	1.6	2.4	3.3	2.1	3.0	4.1
FAM173A	4.5	3.6	5.5	3.3	4.8	4.9	3.7	4.3	4.1	3.1	3.3	5.8	4.1	6.3	3.6	4.1	4.4	4.5	4.7	4.6	3.9	3.5	2.7	3.4	3.5	3.3	4.4	4.8	4.2	6.1	3.3	5.9	5.1	4.5	4.5	4.2	3.8	3.3	2.5	3.6
FAM173B	1.3	1.7	1.4	1.5	1.2	1.9	1.9	1.5	1.8	1.6	1.5	1.9	2.9	2.4	2.2	1.5	1.4	1.8	2.3	3.0	2.5	1.5	1.8	2.0	1.5	1.8	2.3	1.8	0.9	2.4	2.1	2.6	1.9	3.1	2.4	2.3	3.5	2.1	2.0	1.6
FAM174A	6.0	7.2	7.1	7.6	5.5	6.5	6.4	6.7	7.4	8.3	8.3	9.9	7.1	6.8	8.5	8.9	7.3	5.8	8.2	7.6	7.2	8.3	7.6	7.9	6.0	6.9	7.9	8.8	5.8	7.0	7.4	9.3	7.0	7.8	8.4	6.9	7.7	5.9	6.0	7.5
FAM174B	0.7	2.0	1.4	1.3	1.6	1.5	1.7	0.9	1.3	1.1	2.5	1.3	1.9	1.3	1.6	2.6	0.5	1.1	1.5	1.4	1.5	1.8	1.6	1.8	1.1	2.2	3.1	1.5	1.2	3.0	2.5	2.9	1.8	1.5	1.6	2.1	2.1	1.9	2.4	2.2
FAM175B	4.1	4.0	4.6	4.2	4.5	3.8	3.9	4.2	5.0	4.1	4.5	3.6	4.8	4.6	4.7	4.8	3.8	4.9	3.4	4.6	4.5	3.8	4.0	3.8	2.5	3.0	4.6	4.5	3.2	3.3	3.5	3.6	4.7	4.1	3.4	4.1	4.8	3.4	4.2	5.5
FAM176B	2.1	1.6	1.5	1.7	3.8	1.8	1.9	2.3	3.0	2.4	2.8	3.2	3.1	3.2	6.5	1.5	2.7	1.6	2.7	3.8	4.0	1.5	2.0	1.8	2.0	2.9	1.9	1.6	3.6	1.8	1.6	3.0	4.7	4.2	2.4	2.9	1.6	1.7	1.7	1.5
FAM177A1	6.5	8.7	7.8	7.6	8.8	5.7	5.0	6.1	9.8	10.4	7.6	12.8	9.5	13.9	10.3	8.6	12.7	10.8	8.7	9.0	8.2	7.2	8.5	9.6	7.3	11.4	10.4	10.7	7.0	8.0	9.3	10.8	8.8	12.3	8.1	9.7	10.8	10.4	10.0	7.8
FAM178A	3.1	3.8	2.8	3.2	3.5	3.0	2.6	3.5	5.4	3.6	4.1	3.6	3.4	5.9	3.1	2.8	3.1	5.1	3.9	5.8	3.3	3.6	4.1	4.2	3.1	3.4	2.6	3.8	2.5	1.8	3.6	2.9	3.4	3.9	3.8	3.9	5.0	2.2	2.8	4.7
FAM179A	3.5	1.8	5.8	7.2	5.2	2.0	0.7	1.5	2.7	1.1	3.2	4.0	1.5	0.2	1.3	3.2	0.1	2.2	1.2	3.2	1.7	3.1	0.4	2.6	2.1	1.0	2.7	2.1	2.1	0.7	1.6	1.8	0.8	1.2	2.2	0.9	1.3	0.4	0.3	1.5
FAM179B	3.9	3.1	2.2	2.6	2.7	2.4	2.6	3.8	4.1	3.1	3.3	2.2	2.7	3.1	1.6	2.4	2.8	3.7	3.2	3.9	2.8	3.0	3.7	2.9	1.9	2.4	2.6	2.8	1.3	1.5	2.2	1.9	2.4	3.3	2.1	3.1	3.1	2.1	3.2	3.5
FAM180A	3.9	5.5	1.3	0.8	5.6	2.2	1.3	1.4	1.0	5.4	4.8	2.4	4.7	5.6	3.5	1.1	6.7	5.2	4.9	2.2	3.2	2.8	3.8	1.9	0.4	4.4	3.1	4.0	2.6	0.8	2.6	0.7	4.4	3.4	3.9	1.7	2.5	2.5	4.7	1.5
FAM188A	3.1	3.2	2.8	3.5	3.2	2.5	2.9	2.5	4.2	3.0	3.6	3.4	5.1	5.6	6.0	4.1	3.4	3.9	2.9	4.5	4.3	3.5	4.9	3.3	2.9	2.6	2.9	3.9	4.3	5.7	3.6	5.4	5.8	4.2	2.9	4.2	3.3	3.4	3.3	2.9
FAM189A2	9.0	6.7	5.7	7.9	8.1	5.5	6.5	6.6	8.8	6.3	6.6	9.0	8.2	10.6	8.2	6.3	7.2	6.1	6.5	8.4	6.6	7.1	9.4	9.2	5.3	6.7	8.8	8.9	6.5	9.1	8.8	6.9	3.3	3.6	4.2	5.2	5.9	9.1	8.4	8.4
FAM189B	2.3	2.0	1.6	3.7	2.9	2.3	1.8	2.7	2.4	2.4	2.6	2.3	2.3	3.2	3.2	2.6	1.9	2.0	2.2	2.5	3.7	2.1	2.4	1.6	1.7	1.9	3.4	2.6	2.1	1.8	2.2	2.5	3.3	3.5	1.7	2.0	2.8	2.2	2.5	2.0
FAM18B1	6.6	6.2	5.5	4.5	6.4	5.3	4.5	6.5	7.7	6.0	7.6	6.6	7.9	8.9	8.1	6.7	6.5	7.3	5.7	8.7	8.5	6.4	6.6	6.2	5.7	5.6	6.7	7.2	6.5	7.1	5.2	7.8	9.5	9.3	4.6	6.3	9.8	6.8	6.4	6.7
FAM190B	15.1	16.9	17.4	11.1	16.3	11.4	11.2	14.0	15.0	13.2	14.7	12.9	13.1	17.4	10.4	12.0	14.7	16.3	15.6	14.2	12.3	15.1	16.4	13.0	9.7	12.6	16.9	15.9	8.1	9.6	14.0	13.9	12.1	17.3	15.8	18.4	19.0	15.9	15.8	16.3
FAM192A	12.7	12.0	12.3	12.0	12.5	10.3	11.6	13.2	13.1	12.2	12.7	13.2	14.4	14.8	14.3	13.7	13.6	12.5	11.5	14.4	13.7	12.8	12.6	12.2	9.2	10.8	13.6	12.4	9.6	12.4	11.5	13.2	14.6	13.1	10.5	13.8	13.0	10.4	14.1	13.3
FAM193A	3.4	3.7	3.4	4.0	4.1	3.3	3.0	4.0	4.1	3.5	3.3	3.5	3.6	4.4	5.7	3.7	3.9	4.0	4.0	5.2	4.2	3.0	4.2	4.0	3.6	4.3	4.5	4.2	3.3	3.2	3.8	4.3	6.9	4.7	3.9	4.2	5.1	3.7	4.6	4.0
FAM193B	4.1	5.4	4.1	4.1	7.2	5.7	4.7	4.6	5.9	5.2	4.7	5.7	6.1	6.4	9.0	4.2	4.8	4.2	6.3	6.3	6.0	5.6	4.2	5.0	6.1	6.2	5.1	7.3	6.2	6.4	8.3	6.2	11.9	6.0	5.4	5.5	6.6	5.1	5.6	5.2
FAM195A	11.4	20.0	18.1	24.2	21.1	20.0	17.1	18.6	14.7	17.2	17.9	21.1	22.5	21.2	10.4	12.9	12.5	18.6	18.0	12.0	16.9	12.9	13.7	13.7	13.3	8.8	18.3	20.2	14.1	15.4	15.8	14.9	8.1	19.7	15.4	14.1	16.6	13.5	13.1	12.1
FAM195B	23.3	25.3	20.6	19.9	27.6	18.6	17.5	17.8	20.1	21.6	22.9	29.2	18.2	22.1	20.2	18.0	22.0	19.5	23.2	22.1	23.5	21.0	18.8	21.7	18.9	16.2	22.9	25.6	19.0	27.2	21.5	19.4	25.6	27.6	26.4	20.9	24.4	20.5	19.6	14.5
FAM198B	14.5	18.3	12.6	12.2	20.3	14.9	14.4	28.0	18.4	17.1	17.9	13.8	20.5	25.8	23.0	16.5	19.2	24.4	18.5	30.4	19.3	19.1	17.2	19.8	9.5	29.4	15.1	25.4	18.9	11.1	13.9	27.5	29.9	30.8	15.2	19.8	28.9	22.9	20.3	23.3
FAM203A	2.9	4.0	2.3	3.7	3.0	2.2	2.6	3.2	3.3	2.6	2.9	2.6	2.4	5.0	3.4	2.3	1.7	2.6	2.2	3.3	2.6	3.0	2.4	2.9	2.2	2.2	2.5	2.8	2.8	2.8	3.7	3.7	2.6	3.5	2.1	3.1	2.7	3.5	2.3	2.9
FAM20B	9.7	8.4	8.0	8.0	9.0	8.2	7.5	10.2	10.2	9.2	9.6	8.0	9.7	10.9	8.3	9.7	9.0	9.1	9.3	10.0	8.3	9.6	8.8	9.2	6.1	8.7	9.0	9.3	6.4	6.1	6.7	8.6	8.5	9.8	8.2	8.2	8.7	8.7	9.0	11.7
FAM20C	4.6	4.9	4.5	6.8	4.9	5.3	3.0	4.6	6.3	4.4	4.8	4.8	5.1	7.6	10.6	3.7	4.6	4.6	5.1	5.3	7.7	4.5	3.8	3.5	4.2	4.3	3.9	4.4	5.1	3.1	4.5	5.7	7.9	6.3	3.6	4.9	5.8	4.6	3.9	3.4
FAM21A	9.1	5.9	1.9	7.9	4.0	7.3	5.7	6.8	6.4	4.0	2.7	4.5	8.7	5.8	6.0	5.8	5.1	2.9	4.0	11.9	7.0	8.4	6.9	9.2	5.3	5.2	1.8	6.1	4.0	5.1	3.5	5.9	6.9	3.4	6.7	8.0	6.8	4.7	7.5	10.1
FAM21B	7.3	4.8	4.6	2.2	7.9	4.8	2.1	1.8	2.6	3.9	6.0	4.3	2.8	5.2	4.9	2.1	4.0	6.6	4.3	2.5	2.8	2.5	1.9	4.4	3.0	4.1	8.3	5.3	3.6	5.0	3.1	2.4	6.3	8.1	5.1	2.6	1.5	2.1	2.5	4.0
FAM21C	8.2	8.1	5.1	6.7	5.1	7.0	6.4	7.1	8.0	6.5	8.2	7.8	5.9	6.5	5.8	7.9	7.0	5.9	7.2	10.1	6.5	7.7	8.0	7.8	5.7	8.3	8.9	7.2	4.2	5.8	3.5	7.9	10.6	6.9	8.5	7.3	5.9	6.3	7.5	8.2
FAM32A	10.8	12.3	10.3	13.9	13.0	9.9	12.0	11.9	12.3	13.4	12.5	11.3	12.8	15.5	16.4	12.8	10.6	11.0	10.4	12.5	13.0	11.7	11.9	11.6	8.1	9.4	11.8	13.7	9.1	11.9	10.8	13.7	16.7	13.1	10.4	14.8	12.4	12.4	14.4	11.0
FAM35A	3.1	3.9	5.1	3.8	3.1	2.3	2.4	2.6	3.6	2.6	4.0	2.1	3.4	3.3	3.1	3.0	2.8	2.6	2.2	2.9	3.0	3.2	3.0	2.3	2.0	3.4	3.2	2.6	2.5	2.5	2.6	2.9	5.0	3.3	3.0	3.3	3.9	3.4	2.3	2.4
FAM36A	10.2	11.0	10.3	10.1	10.5	7.6	8.4	8.7	8.1	9.1	8.7	11.3	9.6	11.3	8.4	6.8	10.1	10.3	9.2	11.3	7.7	9.2	9.8	7.3	5.9	8.3	7.5	9.3	6.1	8.5	9.7	8.0	6.5	10.8	8.8	10.6	8.5	7.5	11.0	7.9
FAM38A	3.6	3.3	3.4	3.2	4.9	3.1	3.1	3.4	5.5	3.2	3.9	3.0	4.1	3.8	8.5	3.7	4.2	3.5	4.7	5.8	7.9	2.7	3.0	2.6	2.1	4.2	5.2	4.2	3.0	2.9	5.6	5.2	16.8	5.7	3.0	4.5	5.9	4.9	4.9	2.6
FAM3A	8.7	8.3	6.9	9.3	10.3	8.7	8.7	9.5	9.7	7.9	8.1	10.4	9.8	11.1	8.6	9.2	9.2	6.8	8.1	8.5	8.3	9.1	8.8	9.7	8.7	6.8	8.8	7.3	7.0	8.7	7.1	8.9	8.4	9.0	8.3	7.1	8.3	7.3	8.8	8.3
FAM3C	14.8	15.0	13.9	18.1	16.9	13.7	16.7	17.8	17.7	15.7	19.3	21.1	19.4	19.8	22.7	17.4	16.9	16.8	17.3	21.5	18.3	17.6	18.3	17.0	10.7	20.0	16.6	16.1	14.7	14.1	12.2	17.9	16.1	18.4	14.5	17.8	17.2	17.0	18.1	17.1
FAM40A	4.8	5.5	4.6	4.9	5.7	4.9	4.4	5.1	6.4	5.4	5.2	5.5	5.6	6.1	7.4	5.6	5.4	4.7	5.5	7.2	5.8	5.2	5.5	5.5	5.2	5.2	6.9	6.7	5.1	4.8	5.4	5.5	6.8	5.6	5.8	5.5	5.9	6.7	5.5	6.0
FAM40B	3.8	4.2	4.9	9.2	6.9	3.9	2.3	3.3	4.5	3.4	5.6	4.0	2.0	3.5	2.3	3.9	3.2	3.9	3.7	3.5	3.0	4.9	4.4	3.8	2.5	3.2	4.4	4.4	1.6	2.5	2.7	3.7	2.1	2.8	4.7	2.2	4.1	2.9	2.3	5.0
FAM43A	3.3	2.4	1.9	3.2	2.4	4.0	2.7	2.8	3.4	9.1	5.9	4.7	4.0	3.0	4.4	3.7	4.4	5.8	5.7	5.4	3.9	3.6	3.5	2.8	1.8	4.5	2.6	4.1	1.5	3.7	2.2	4.6	11.0	2.8	1.7	4.1	2.3	1.4	3.1	3.4
FAM46A	13.2	7.1	4.6	12.5	6.6	6.2	6.6	7.2	8.6	10.9	8.3	7.3	10.3	7.3	5.9	8.0	9.4	10.9	10.0	11.3	8.2	8.4	8.9	7.5	8.2	9.1	8.3	8.9	4.2	9.0	5.7	5.0	15.4	11.0	10.1	6.5	16.8	6.0	7.4	11.2
FAM46B	4.6	11.0	9.4	4.8	6.9	15.6	7.3	7.9	1.5	1.7	6.9	1.6	3.1	3.5	2.0	7.0	1.8	2.8	2.5	1.6	2.9	4.5	2.3	1.5	1.5	4.4	4.8	4.0	1.7	7.2	5.5	3.6	4.5	8.0	6.6	6.9	10.1	7.9	11.5	1.5
FAM46C	4.0	1.9	1.3	1.5	1.5	2.5	1.7	3.6	2.7	1.3	1.3	0.9	2.5	2.2	1.5	1.7	1.2	2.1	1.1	1.8	1.5	1.3	1.8	1.6	1.0	1.3	1.4	1.1	1.0	1.2	1.5	1.1	4.5	1.1	1.0	0.9	1.0	0.8	2.3	2.1
FAM48A	5.2	4.9	5.3	4.9	5.5	5.9	4.8	6.1	6.9	5.0	5.4	6.1	5.8	7.7	6.3	5.1	5.6	6.2	5.7	7.2	6.4	6.4	6.2	6.3	4.3	5.8	6.1	7.1	4.8	5.0	6.2	5.8	7.5	6.1	4.8	5.9	7.9	5.6	5.1	5.7
FAM49B	5.2	4.8	6.3	4.6	6.0	3.6	4.7	4.7	4.4	4.1	4.5	3.2	5.5	6.0	5.0	3.6	4.6	5.0	3.5	5.3	5.2	4.6	4.9	3.8	1.9	4.0	5.3	5.6	3.1	4.4	4.2	6.4	8.0	4.4	3.1	5.3	5.5	6.8	4.7	4.7
FAM50A	14.4	14.5	16.0	18.8	16.0	13.2	15.7	14.1	17.6	20.4	14.2	19.4	17.0	19.1	21.0	14.5	19.6	12.8	16.0	16.6	18.8	11.8	15.5	15.8	13.3	18.4	14.8	14.6	12.4	14.2	14.3	15.8	23.0	15.8	15.3	12.3	17.4	11.2	17.5	14.2
FAM50B	5.3	5.7	3.6	4.7	5.4	5.7	3.5	3.6	4.9	4.6	5.8	5.2	4.7	4.9	5.6	4.5	3.7	5.1	5.5	5.7	5.6	3.9	5.3	5.5	4.3	3.9	5.1	4.3	3.8	5.0	4.1	4.2	2.7	5.8	5.6	4.5	6.7	3.3	3.9	4.8
FAM53B	5.9	5.3	4.6	4.7	9.3	6.3	6.1	8.2	7.7	4.6	8.6	7.2	5.9	6.9	6.1	8.7	3.8	4.9	6.4	6.4	5.7	6.8	6.6	8.8	9.0	6.3	7.4	6.8	5.4	8.8	5.5	5.1	8.2	11.2	11.9	6.9	9.8	7.3	9.8	7.1
FAM53C	6.1	6.3	6.3	6.9	7.6	6.5	6.9	6.7	7.9	6.6	6.6	5.9	8.4	7.2	7.9	7.7	6.4	7.4	6.3	8.1	8.2	7.1	6.4	6.0	6.3	6.4	9.6	9.3	5.4	9.1	6.9	7.8	17.1	9.0	9.5	11.1	10.0	8.1	10.0	7.2
FAM54B	55.0	71.5	51.1	49.8	71.6	57.0	54.2	52.8	42.7	60.0	52.1	46.1	58.9	59.8	45.2	44.9	52.1	71.5	63.2	57.2	46.3	56.5	46.0	49.8	35.8	44.5	52.7	62.7	41.0	54.0	49.6	43.9	33.7	75.7	61.7	56.3	48.6	47.6	45.1	45.7
FAM55C	4.6	3.8	3.8	3.6	4.1	4.0	4.0	4.3	4.4	3.1	3.7	3.5	2.8	3.1	2.5	4.5	3.2	4.2	3.3	5.1	2.7	3.8	3.8	3.7	3.7	3.0	3.0	3.6	2.0	2.8	3.1	3.8	3.4	4.2	3.5	3.9	3.4	3.0	3.9	3.5
FAM58A	11.3	15.8	12.1	16.3	18.2	12.9	14.6	15.2	8.5	8.0	10.2	8.1	8.8	16.7	9.3	10.3	9.0	8.3	9.7	9.0	10.2	7.7	8.2	10.5	10.7	8.1	13.8	10.7	7.1	11.4	10.9	12.0	11.8	12.1	10.5	11.1	13.5	13.5	14.1	8.7
FAM59A	3.2	2.2	2.0	3.0	2.1	1.7	1.9	1.4	3.8	2.1	1.9	1.3	1.5	3.1	1.0	1.9	2.4	1.9	1.9	3.4	1.5	1.9	1.6	2.4	1.7	2.1	2.8	2.4	0.8	1.3	1.2	2.0	3.2	2.1	2.3	4.2	2.4	1.8	2.3	2.9
FAM63A	13.0	11.1	11.4	13.5	15.6	18.4	9.2	10.8	14.2	10.8	11.4	14.1	12.3	13.9	13.2	12.9	12.6	13.0	12.3	12.8	11.7	13.9	11.9	12.2	10.1	10.8	19.1	15.8	9.6	10.4	10.2	11.2	9.6	11.4	14.1	10.2	12.8	10.1	15.3	14.5
FAM63B	3.3	1.8	1.8	1.0	1.1	1.7	1.0	1.8	2.6	1.0	2.0	0.9	0.6	0.9	0.4	1.0	1.1	1.6	2.1	3.1	1.0	1.4	1.4	1.2	0.9	1.0	1.2	1.2	0.6	0.3	1.0	0.9	0.8	2.0	1.1	2.3	2.0	0.6	0.9	2.5
FAM65A	17.2	18.1	13.9	15.3	19.3	15.3	12.2	15.6	20.9	19.4	16.3	16.8	17.7	16.5	24.3	19.9	20.7	16.4	18.4	19.4	16.9	16.1	16.4	15.7	12.2	17.6	16.4	16.4	13.1	14.9	14.6	16.2	22.5	20.8	14.0	13.4	19.1	15.7	16.9	15.1
FAM65C	5.0	4.9	2.3	2.5	6.4	5.5	4.6	4.3	2.2	1.5	2.9	3.5	2.7	1.8	2.1	4.8	1.8	2.2	3.2	3.0	3.3	2.6	2.6	3.1	1.9	1.4	3.2	2.6	2.8	3.6	3.5	4.1	4.4	1.4	3.1	2.8	2.7	2.2	3.8	3.0
FAM69A	1.5	1.3	1.3	0.6	2.3	1.5	1.2	1.8	2.4	1.8	1.8	1.0	3.2	2.4	2.8	1.6	1.2	1.2	2.5	2.1	3.3	1.7	1.5	1.8	1.2	1.3	1.3	1.6	1.4	1.3	1.7	1.6	1.5	1.7	1.7	1.4	1.6	1.4	1.1	1.7
FAM69B	5.4	5.8	5.2	4.7	8.6	6.2	6.3	5.4	6.1	4.9	5.5	7.1	4.9	6.0	6.6	5.1	5.5	4.3	5.8	6.4	6.0	4.9	5.5	5.6	5.3	3.8	6.0	4.9	4.8	5.4	6.8	6.3	4.0	4.0	6.1	3.8	5.7	5.2	5.3	4.8
FAM69C	2.3	2.4	2.7	2.7	1.3	3.4	1.9	1.0	1.0	1.1	4.8	2.2	1.4	1.0	1.6	0.6	2.1	2.4	2.5	2.1	2.5	3.5	2.0	2.3	1.0	1.0	2.0	3.2	1.0	2.5	1.7	1.2	0.7	1.0	0.6	1.6	1.8	1.6	0.9	1.4
FAM70B	0.8	1.1	1.2	0.7	1.1	2.1	1.8	0.7	2.6	1.6	1.1	0.9	0.9	1.7	3.6	1.5	2.3	1.9	1.7	2.5	3.8	1.4	1.2	1.0	0.9	1.2	1.0	1.9	0.9	1.1	1.7	2.4	6.8	3.7	0.8	2.3	3.5	2.0	1.4	0.9
FAM73B	6.5	7.9	6.8	5.9	7.2	5.4	5.7	7.1	8.4	6.7	7.8	6.9	7.2	8.4	5.9	7.4	5.7	6.0	5.7	6.4	7.1	6.8	6.8	6.2	6.5	5.4	7.4	8.0	5.5	8.4	6.6	7.7	6.4	8.5	6.0	6.3	7.1	6.2	7.0	6.0
FAM78A	10.0	9.7	5.3	11.6	5.2	7.9	6.9	6.9	6.6	4.1	7.3	4.9	4.9	7.3	4.9	5.0	2.8	5.2	5.1	5.9	4.7	6.3	6.1	6.4	3.1	5.7	4.5	6.5	3.3	5.5	6.0	5.8	3.4	3.9	4.3	4.0	4.6	3.5	4.2	5.5
FAM81B	4.3	0.4	0.8	0.3	2.4	3.1	1.4	0.8	2.0	0.2	1.2	1.4	0.4	0.0	2.1	4.3	0.1	1.2	0.6	2.0	1.3	1.1	1.1	4.7	3.3	0.3	1.1	3.8	0.5	0.1	0.8	2.8	0.2	0.4	1.0	0.5	0.2	0.1	1.1	3.6
FAM82A2	4.7	4.3	4.4	5.3	5.9	4.5	3.7	4.6	6.2	6.3	5.3	5.0	6.6	8.3	7.0	5.9	4.3	5.2	5.8	7.2	7.1	5.9	5.5	4.2	5.2	5.9	6.3	6.4	4.3	6.1	5.1	6.1	7.2	6.5	6.2	4.8	5.7	5.6	6.0	4.4
FAM82B	12.7	12.9	10.7	12.0	14.2	10.8	12.3	12.1	13.8	10.9	15.6	11.1	12.6	11.7	9.2	12.5	12.1	14.3	9.6	11.0	11.4	13.5	12.8	12.0	8.5	9.0	15.1	13.1	8.2	10.7	9.8	10.8	6.8	13.0	10.8	12.1	14.3	12.0	12.1	15.2
FAM89A	3.2	1.8	2.3	2.5	1.9	1.7	1.6	2.1	1.5	2.0	1.5	0.8	2.1	1.9	2.8	1.5	2.4	1.1	1.6	2.2	5.7	2.6	1.3	1.2	1.2	1.6	1.6	1.2	0.7	1.8	2.4	2.1	6.1	1.7	2.1	2.0	1.9	2.1	1.8	2.6
FAM89B	11.1	10.0	9.0	10.3	12.1	8.9	9.7	10.4	11.2	10.6	9.9	9.3	10.0	17.2	15.5	10.0	13.8	7.8	8.8	9.5	11.5	7.9	8.3	7.0	7.7	7.8	9.8	10.3	8.3	8.3	8.3	9.9	12.3	14.7	11.0	8.7	12.1	9.4	9.9	7.3
FAM8A1	5.4	5.5	4.4	5.9	6.9	5.5	4.3	5.5	7.4	5.8	5.9	5.8	6.0	6.7	6.4	5.7	5.5	6.4	5.9	8.1	6.4	5.3	5.4	5.5	4.7	5.8	6.1	5.5	4.0	3.8	4.1	3.9	7.9	6.5	5.3	5.2	6.4	4.1	6.8	6.9
FAM91A1	1.5	1.8	1.4	1.8	2.4	1.7	1.6	2.1	2.7	1.6	1.6	1.3	2.0	2.4	1.8	1.8	1.7	1.8	2.0	3.4	2.5	1.4	1.5	1.6	2.3	1.9	2.0	1.6	1.3	2.3	1.7	2.1	4.6	3.4	2.1	2.4	3.4	1.9	2.6	2.6
FAM92A1	7.3	10.8	12.6	11.7	10.4	6.2	8.8	10.3	9.2	10.2	9.8	10.9	9.9	11.3	7.9	12.0	9.4	9.3	7.2	9.5	11.2	9.0	11.2	11.2	7.3	7.8	11.6	10.3	6.2	6.4	7.5	8.9	6.4	7.2	8.7	7.6	10.4	5.2	8.1	9.9
FAM96A	15.0	19.7	17.6	18.2	19.0	14.3	14.0	15.4	13.7	12.5	14.5	14.7	18.6	15.1	12.5	17.0	11.9	13.7	11.1	12.7	14.1	14.1	16.1	14.0	10.5	11.1	13.6	14.6	11.2	13.0	11.5	15.0	10.6	12.3	14.0	12.0	14.6	11.3	13.6	16.1
FAM96B	47.4	43.2	39.8	40.0	38.4	40.0	42.1	41.0	45.3	51.3	44.5	48.5	47.4	51.0	40.8	40.8	47.6	42.4	49.5	34.4	44.3	37.6	38.9	39.1	37.8	38.1	49.5	54.0	34.6	47.4	48.0	45.3	41.0	44.9	42.8	40.4	50.8	43.7	39.9	38.6

FAM98A	15.5	15.5	13.9	16.4	14.2	14.6	13.9	17.9	17.1	17.1	15.8	15.6	17.1	19.0	15.0	17.2	14.8	20.6	15.6	16.4	17.2	16.7	16.3	17.7	10.3	14.9	17.3	21.9	11.7	13.2	14.9	17.9	11.5	17.2	13.7	16.4	19.8	17.4	16.1	16.0
FAM98B	7.8	6.3	5.8	6.9	4.9	6.6	4.7	8.3	8.2	6.6	6.2	7.5	8.6	8.4	7.1	7.5	7.7	8.3	7.4	10.1	7.2	6.3	7.8	7.1	5.0	7.9	7.8	7.6	5.1	5.5	6.7	8.2	6.2	9.2	6.2	7.3	7.9	6.5	8.4	9.7
FAM98C	4.5	3.0	2.0	3.1	3.4	4.7	3.2	2.7	3.9	2.4	4.4	4.0	3.1	3.5	4.6	3.2	3.6	3.5	4.0	4.8	2.8	2.8	3.1	4.0	4.0	3.2	4.5	3.0	3.2	5.1	3.0	3.4	4.3	4.0	3.7	3.3	3.0	3.3	2.8	3.1
FAN1	4.8	5.4	4.0	5.2	4.8	4.8	3.8	5.2	6.4	5.4	4.9	4.9	5.9	6.3	4.3	5.3	4.1	5.9	5.0	5.8	5.3	5.9	6.6	6.3	4.2	4.4	4.7	5.2	3.5	3.6	4.2	4.8	4.9	5.2	4.3	5.2	6.4	4.1	5.8	5.6
FANCL	2.4	1.8	1.5	1.7	2.1	1.9	1.5	1.2	2.2	2.3	2.8	2.5	1.9	3.2	3.1	1.8	1.5	2.6	2.5	3.6	2.9	2.4	2.1	2.9	2.0	2.1	1.7	2.8	2.3	2.6	2.5	2.3	3.5	2.1	2.7	1.4	2.5	2.1	2.3	2.8
FAP	0.1	0.5	0.2	0.2	1.0	0.7	0.4	0.2	1.6	2.4	1.9	1.2	5.1	5.4	5.2	1.9	4.5	1.6	2.5	3.5	1.9	1.1	1.5	0.8	0.9	4.9	0.7	3.8	5.0	1.7	0.3	3.3	10.7	5.0	1.0	1.6	3.8	2.1	1.0	1.1
FAR1	5.9	5.9	5.6	5.3	6.8	4.7	4.6	6.4	6.7	5.6	5.5	5.4	5.2	7.9	4.4	5.4	5.4	6.8	5.6	8.1	6.2	5.0	5.9	5.4	3.2	4.9	4.3	5.1	3.5	4.6	5.0	5.5	7.3	7.4	4.9	5.8	8.2	5.0	5.7	6.4
FARP1	2.4	3.1	2.1	3.3	4.0	2.5	2.5	3.2	4.5	3.9	3.6	3.5	4.4	7.5	8.7	3.3	5.6	4.2	3.2	4.5	5.1	4.8	5.6	2.5	2.1	3.8	4.4	5.5	5.8	3.7	6.3	7.0	5.4	6.7	2.6	5.3	5.4	16.0	6.7	3.1
FARS2	5.9	5.7	4.3	4.6	6.3	5.4	5.9	5.4	4.5	4.9	6.2	5.4	6.6	5.4	5.2	5.1	3.8	4.6	4.6	6.1	5.0	6.2	5.3	4.9	4.2	3.8	6.6	4.8	3.1	4.8	4.3	4.7	3.8	5.2	5.7	5.2	5.5	4.0	4.2	7.0
FARSA	11.0	12.5	11.7	14.4	11.1	12.6	11.6	11.8	13.9	10.1	11.9	13.8	12.2	11.1	12.0	11.5	9.8	10.0	12.5	12.3	11.8	10.4	11.4	13.6	10.4	10.8	11.3	13.9	9.7	13.5	10.1	12.6	11.6	13.6	11.5	9.9	12.2	10.9	10.4	12.0
FARSB	10.4	8.1	9.3	10.0	11.6	8.5	9.3	9.6	9.6	9.3	9.7	10.0	8.7	10.6	8.9	10.4	9.1	9.9	9.1	9.2	8.6	8.9	10.6	9.3	7.0	9.5	9.5	8.4	7.1	9.6	8.5	10.5	7.7	8.9	7.1	7.6	8.3	10.3	10.5	9.7
FAS	0.7	1.1	0.8	1.4	1.6	1.4	1.7	1.5	2.2	1.4	1.7	0.8	2.3	1.2	4.0	1.3	1.2	1.4	1.2	2.8	1.7	1.0	1.0	1.2	1.0	2.6	1.0	1.7	1.6	1.6	1.4	0.8	3.9	1.8	0.9	1.4	1.3	1.6	1.8	1.8
FASN	1.3	3.1	2.0	2.5	1.9	1.4	1.0	2.0	2.7	1.9	4.4	1.6	2.0	6.7	3.9	1.7	10.6	1.5	1.9	2.1	48.5	2.9	2.0	1.5	1.5	1.4	1.9	2.0	2.5	2.8	1.6	2.1	5.8	3.5	1.3	2.5	2.1	4.8	2.5	1.7
FASTK	16.5	11.1	13.8	11.0	23.9	15.5	14.3	15.2	14.4	12.8	14.4	13.3	19.5	16.4	15.2	13.2	13.0	12.1	14.5	15.6	12.8	13.0	11.4	13.9	13.6	11.3	15.7	17.8	12.8	18.1	16.8	17.3	10.8	17.0	13.3	13.2	18.8	14.8	13.7	13.3
FASTKD1	13.8	14.0	14.7	9.8	12.1	8.8	11.6	14.2	14.0	13.3	15.0	11.3	7.5	11.7	6.5	12.2	9.2	15.1	12.0	10.8	11.6	13.7	13.8	14.1	7.6	10.0	11.4	14.4	4.7	10.2	11.9	12.1	5.9	12.3	9.7	12.8	13.7	8.9	11.9	18.5
FASTKD2	5.8	5.8	6.4	5.3	4.9	4.9	4.9	5.9	6.4	4.6	6.2	4.2	3.1	4.6	3.2	4.9	3.9	5.4	4.0	5.1	3.8	5.0	4.9	4.7	3.3	4.1	5.2	4.8	1.7	3.6	3.5	4.9	3.2	5.0	3.8	4.7	5.2	3.5	4.1	6.0
FASTKD5	7.8	10.3	10.3	8.6	10.3	9.1	8.7	8.7	10.2	7.5	9.8	8.1	8.4	8.5	6.0	10.6	7.2	8.9	7.9	7.6	8.3	8.5	9.4	8.0	5.9	4.4	7.9	7.8	5.2	7.2	7.1	9.7	5.5	7.6	7.7	8.7	7.2	7.0	9.2	9.9
FAT1	3.9	3.3	3.0	3.7	4.6	3.1	3.6	4.3	7.5	4.4	6.4	3.9	3.2	4.6	3.6	3.2	4.5	5.6	3.8	5.9	4.8	5.4	7.1	5.1	3.2	4.4	3.4	4.3	2.7	1.8	3.7	3.4	3.2	5.3	6.9	3.9	4.4	3.7	4.6	5.8
FAU	186.8	211.4	163.1	172.6	220.0	164.5	212.0	154.9	169.3	156.7	195.4	234.4	157.6	160.1	243.2	161.6	170.2	177.1	194.3	194.2	199.4	149.0	191.5	180.3	180.0	179.2	209.2	220.6	134.5	198.2	227.2	187.2	277.1	202.4	223.0	169.4	170.1	164.4	202.0	159.6
FBL	12.2	14.6	10.9	19.0	21.2	14.4	11.4	13.0	18.4	12.9	13.3	13.5	14.6	18.5	27.9	12.5	15.2	17.5	13.1	18.9	14.3	14.6	14.2	13.5	19.1	22.0	19.1	19.2	15.6	20.1	14.1	16.4	37.0	19.9	16.1	12.4	16.7	17.7	18.6	13.7
FBLIM1	10.8	9.3	7.5	11.0	18.0	9.9	9.8	8.7	8.6	4.5	8.2	5.6	9.3	10.2	17.8	9.0	7.0	5.2	8.5	9.5	7.1	8.5	8.1	7.4	8.9	8.9	10.1	7.3	7.4	9.0	6.6	7.9	12.3	10.8	11.8	5.8	8.7	5.5	8.9	8.5
FBLN1	29.2	15.6	13.7	15.5	51.8	28.6	29.9	31.5	68.2	34.3	41.2	14.8	89.4	58.9	444.6	30.1	27.3	30.3	40.2	124.3	78.1	58.8	25.2	26.0	56.5	121.6	33.5	44.9	82.7	85.0	15.5	37.2	181.5	78.7	33.9	48.9	38.9	52.3	49.4	31.4
FBLN2	15.0	12.1	11.1	7.3	22.7	25.2	13.0	24.5	36.7	19.2	31.1	11.6	34.6	48.3	120.4	20.7	27.6	19.8	23.2	70.4	60.9	35.1	15.4	19.3	22.2	36.6	19.2	19.8	26.7	27.3	8.3	17.6	71.4	37.5	13.1	25.2	21.5	30.4	20.1	21.5
FBLN5	21.2	21.8	12.8	15.4	24.8	25.2	19.7	23.6	22.5	15.1	16.4	13.9	30.0	36.1	63.9	29.2	20.3	21.3	19.3	53.8	65.7	22.3	18.0	19.8	20.1	33.2	22.6	15.0	21.5	22.9	9.4	23.1	42.1	28.7	14.2	25.7	31.0	30.0	33.0	20.1
FBN1	8.5	7.9	4.6	4.8	15.1	7.2	6.2	10.0	18.0	8.9	12.2	4.0	8.9	10.8	20.8	9.5	8.3	9.6	13.8	28.1	43.4	13.6	5.0	7.5	4.0	15.4	4.0	7.1	9.7	4.1	3.0	8.6	13.2	12.7	4.6	13.6	20.2	8.1	6.6	12.3
FBN2	3.4	2.6	1.3	0.4	5.1	3.3	1.5	3.4	3.2	1.1	1.3	1.8	0.5	1.5	1.0	1.2	0.8	1.1	2.1	3.6	1.6	2.3	1.9	1.2	2.0	1.6	1.0	0.5	0.5	1.5	0.7	0.5	1.2	0.9	3.6	1.4	1.6	0.8	0.9	1.1
FBRS	5.1	6.2	4.6	6.5	5.9	6.2	4.4	5.3	7.4	6.1	6.2	7.3	7.0	6.5	10.4	6.4	6.2	5.2	6.6	6.9	7.8	5.0	6.5	6.6	5.6	6.2	6.5	5.7	5.3	7.0	6.3	6.0	12.1	9.0	6.7	5.8	7.1	7.0	8.1	6.0
FBRSL1	4.6	5.3	5.6	5.8	6.4	4.1	5.2	6.3	5.5	5.2	4.6	4.0	4.8	5.9	5.7	5.4	4.4	4.1	4.5	4.4	4.5	4.3	3.6	4.3	5.0	4.6	5.7	5.7	3.8	5.3	5.6	5.3	6.4	6.2	4.7	5.3	7.2	4.6	5.1	5.3
FBXL12	2.5	2.5	2.2	1.6	2.2	2.9	1.7	2.2	2.8	2.4	2.7	3.1	3.5	2.7	4.1	3.3	2.4	2.1	3.5	3.2	2.3	1.7	1.5	1.8	3.2	3.3	3.9	3.9	2.7	3.5	4.3	3.3	5.2	3.6	3.3	2.8	3.7	2.4	3.5	2.3
FBXL17	6.8	6.3	6.8	5.5	6.8	6.4	5.4	8.2	7.1	4.8	7.7	5.6	5.3	6.2	3.9	6.8	3.8	7.7	6.9	7.2	5.9	6.5	6.1	5.7	4.4	5.4	6.2	5.6	3.4	4.0	5.0	5.7	4.1	6.8	6.5	5.7	7.3	4.5	5.9	6.9
FBXL22	2.9	2.6	2.4	1.9	2.7	2.1	2.6	3.4	2.3	1.4	4.3	3.2	3.4	2.9	3.3	1.9	1.4	3.9	2.6	3.1	2.1	2.5	2.5	3.3	1.1	1.8	0.8	2.7	1.0	1.5	1.8	1.8	0.5	2.9	2.8	1.0	1.1	1.2	1.5	2.5
FBXL3	7.4	8.6	8.2	7.1	11.3	6.8	7.3	8.3	10.4	8.5	6.3	7.2	8.7	10.1	10.4	10.1	8.7	8.8	8.8	12.7	9.0	8.2	7.7	6.7	7.7	8.4	10.4	9.6	5.2	5.4	7.3	8.0	16.0	12.1	8.5	10.4	11.3	9.0	12.4	10.8
FBXL5	25.6	24.1	21.6	20.7	24.9	21.4	20.3	20.4	16.9	13.9	17.1	16.1	18.8	18.1	17.6	18.7	15.9	18.1	15.6	20.9	19.0	20.8	16.9	16.9	13.3	15.8	20.6	18.0	11.6	14.9	13.1	15.6	18.2	17.1	21.0	15.7	19.3	15.6	18.0	20.7
FBXL7	4.9	6.6	3.5	5.1	8.5	6.8	5.1	8.7	7.5	5.0	6.5	7.0	6.6	8.4	10.0	6.6	6.5	6.6	7.6	9.1	6.9	7.1	5.9	6.6	5.3	8.7	5.2	6.2	4.6	6.2	6.0	5.8	6.6	5.9	6.4	5.1	8.4	3.8	6.2	6.7
FBXO11	8.3	8.7	7.2	8.2	8.5	9.6	7.2	9.6	10.6	8.2	9.1	8.4	8.4	8.7	9.2	8.4	8.7	9.6	8.6	11.8	8.5	9.3	9.7	9.2	7.5	11.4	7.9	8.8	6.2	7.6	7.5	8.6	13.6	10.6	9.2	9.1	9.3	7.8	10.7	9.7
FBXO18	18.8	18.1	16.2	19.4	20.5	16.6	14.3	17.9	18.5	16.7	16.7	15.7	18.1	22.0	17.5	17.0	15.8	15.9	14.7	18.1	16.3	18.0	14.6	15.1	13.3	12.7	16.7	17.0	12.9	15.6	11.6	14.9	18.4	17.6	15.4	13.7	17.9	14.2	15.0	16.6
FBXO21	7.9	8.1	6.7	6.0	12.8	12.0	7.4	8.8	12.4	11.6	12.1	12.6	8.5	10.4	10.0	11.7	11.1	12.6	10.7	11.1	11.4	9.9	11.4	11.6	8.7	10.9	13.2	13.9	6.6	7.8	11.1	10.6	8.5	12.2	10.6	13.5	15.8	15.5	12.9	10.9
FBXO22OS	0.4	1.0	3.5	2.4	1.4	0.8	2.6	3.1	2.8	2.7	1.8	1.6	1.5	2.4	2.5	1.9	0.5	2.9	1.8	4.2	1.7	0.2	2.3	2.9	0.5	2.8	1.5	0.2	0.4	2.5	2.2	2.3	1.1	1.9	4.8	2.7	1.5	0.0	2.1	2.3
FBXO25	6.3	7.0	6.2	6.9	6.6	5.7	5.5	6.5	7.3	5.5	6.5	7.8	7.2	6.6	6.6	7.9	7.5	6.8	5.5	6.6	8.1	7.5	7.8	6.9	5.7	4.9	7.2	8.3	4.7	5.6	5.8	6.6	6.1	6.2	7.3	6.4	6.0	5.5	6.5	8.4
FBXO28	3.4	3.1	3.2	2.8	2.7	2.6	2.4	3.3	4.1	3.1	3.4	3.2	3.0	3.9	2.8	3.3	3.2	3.9	3.4	3.9	3.3	2.8	2.6	2.7	2.2	2.8	3.3	3.0	2.1	2.4	3.2	3.7	5.1	4.5	2.9	4.3	5.4	3.2	4.0	3.7
FBXO3	13.4	15.3	13.6	9.3	14.3	13.6	13.3	12.6	13.6	12.9	16.5	12.7	15.5	12.9	10.5	14.5	12.7	14.0	13.6	13.8	14.5	13.3	15.6	13.0	9.0	13.0	23.0	16.2	8.2	14.8	16.6	16.1	12.2	15.8	16.8	16.2	17.6	15.9	20.8	15.9
FBXO30	4.2	4.0	4.1	4.2	5.9	3.8	3.8	4.0	5.8	5.2	5.0	4.3	5.2	5.8	2.7	5.9	5.6	5.7	4.4	7.2	4.4	4.9	5.5	4.4	6.2	4.4	4.9	5.1	2.6	2.7	4.0	4.6	5.2	6.4	4.8	7.8	5.2	4.3	8.3	5.8
FBXO31	9.2	9.5	7.3	7.2	10.3	9.8	6.1	6.9	11.8	10.5	11.1	11.6	11.9	12.4	12.0	8.7	10.8	11.2	9.0	9.3	9.5	8.2	10.4	8.9	8.3	10.6	11.6	13.2	9.0	13.8	11.2	10.5	18.7	11.2	10.7	11.6	12.1	11.0	13.5	8.4
FBXO32	34.2	31.2	14.5	36.2	42.2	35.2	44.9	31.7	44.0	21.1	48.3	28.4	26.3	37.7	17.9	34.4	27.7	32.5	27.5	44.6	13.9	32.0	26.5	44.0	40.2	37.8	28.2	30.2	20.1	23.5	17.6	22.3	15.4	18.2	14.6	19.3	13.4	15.3	36.7	46.5
FBXO34	4.7	4.8	3.7	5.1	5.1	4.0	3.6	4.6	5.1	4.4	4.0	3.7	4.7	6.1	4.6	5.5	4.6	5.0	4.2	4.8	4.1	4.5	4.4	4.7	3.2	5.1	5.1	6.1	2.7	4.1	5.3	4.8	5.8	5.5	4.2	5.6	7.2	6.5	6.1	4.3
FBXO38	6.1	6.7	7.1	5.5	7.3	5.8	4.8	6.9	8.9	6.8	8.2	8.0	8.3	10.4	6.9	7.4	8.1	8.3	7.0	9.6	7.3	7.8	8.0	7.4	5.3	7.2	8.2	8.2	5.3	5.4	6.4	7.7	8.7	8.3	6.0	8.6	10.5	7.4	7.9	8.5
FBXO40	52.0	46.7	41.1	21.5	56.8	49.0	39.2	54.8	46.9	50.0	63.5	49.3	44.0	41.8	29.3	50.3	44.5	56.0	49.2	42.4	40.5	49.2	56.5	61.0	32.9	38.0	47.5	51.7	24.0	31.7	38.7	48.4	20.8	31.7	42.3	28.1	39.0	32.1	38.3	55.4
FBXO42	5.7	6.1	5.0	4.9	6.6	5.6	5.3	5.6	5.8	5.3	5.6	5.2	6.3	6.5	6.0	6.8	4.4	5.3	6.3	5.7	6.7	5.9	4.9	5.2	7.1	8.4	9.6	9.0	4.2	7.9	5.9	5.7	10.8	9.5	11.8	9.1	9.6	7.7	16.4	6.6
FBXO44	3.8	3.6	2.3	2.4	3.2	3.1	3.2	2.7	3.5	2.8	3.8	4.1	4.3	3.7	4.9	2.9	2.9	3.5	3.0	4.0	3.7	3.0	4.7	4.3	3.1	3.1	3.3	3.7	3.2	3.3	3.1	3.6	3.6	3.0	3.7	2.5	3.3	2.5	3.3	2.4
FBXO7	11.1	12.8	12.0	13.0	16.2	13.1	11.3	14.7	17.9	14.2	13.6	16.0	17.1	18.1	22.1	15.7	17.1	12.1	13.9	18.1	16.2	13.4	13.7	14.5	13.8	14.8	13.6	18.0	14.5	15.3	12.0	16.1	23.3	15.9	11.9	15.0	16.6	16.2	16.3	14.5
FBXO8	3.7	4.6	3.9	4.3	4.6	5.0	4.3	4.8	5.8	5.9	5.1	6.3	7.0	8.6	7.1	5.6	6.9	6.8	5.4	6.5	6.0	5.5	4.9	5.3	4.2	5.8	4.8	5.3	4.9	5.6	5.2	6.2	6.1	7.5	4.4	6.6	7.6	6.0	4.8	5.5
FBXO9	5.1	6.5	6.1	4.1	8.0	5.5	4.9	6.3	7.4	5.7	7.6	7.8	7.0	8.4	7.4	6.4	7.7	5.6	7.6	7.6	7.9	7.6	6.9	7.3	3.5	4.3	5.4	6.0	5.2	5.6	4.9	6.7	6.8	7.7	5.5	6.3	7.3	6.4	7.0	6.1
FBXW11	10.8	12.2	11.6	13.6	16.3	11.7	10.3	13.5	16.8	15.1	16.1	15.4	14.0	20.5	12.1	15.0	16.4	18.0	13.5	15.6	14.4	16.0	18.1	17.3	12.2	15.3	17.2	15.7	10.5	11.4	12.9	14.9	15.5	19.9	14.8	17.1	19.3	18.1	19.9	16.8
FBXW2	3.8	3.6	3.4	3.6	3.8	3.0	3.7	3.7	4.2	2.9	3.9	3.0	3.0	4.7	3.3	3.9	3.7	3.6	3.5	4.8	3.4	3.9	3.5	3.6	2.7	2.6	3.7	3.3	2.2	3.5	3.2	4.0	4.8	4.6	3.2	4.2	4.5	3.5	3.7	3.6
FBXW4	17.9	17.3	16.3	21.3	21.4	21.8	19.3	19.7	18.7	19.0	20.4	17.3	25.0	30.1	21.1	20.5	25.3	17.3	16.9	18.4	19.7	19.4	17.9	16.5	17.6	17.7	24.9	24.8	21.3	24.5	19.3	21.3	22.2	23.0	17.5	22.5	24.4	24.6	22.6	17.0
FBXW5	38.7	29.4	33.7	33.7	56.6	39.6	35.9	42.9	37.7	50.6	35.2	47.3	51.3	59.3	43.2	39.2	48.6	41.8	43.5	32.0	43.9	39.2	35.6	40.6	27.0	36.4	41.8	47.6	37.9	42.0	35.4	45.5	37.1	53.6	37.4	33.1	48.7	46.6	30.6	32.1
FBXW7	10.8	8.5	6.9	9.4	8.3	5.5	8.3	6.7	10.1	19.5	9.7	11.9	8.6	8.2	4.1	10.7	9.4	11.7	12.3	10.1	7.1	10.6	7.8	8.8	7.8	9.5	7.9	8.5	3.4	5.4	8.5	7.0	9.7	7.4	9.1	10.2	7.6	6.5	8.0	12.2
FCER1G	9.4	10.6	7.8	11.1	17.2	13.8	20.7	13.3	14.3	6.5	2.5	2.0	15.0	2.2	20.7	9.6	16.2	10.9	10.9	13.1	10.7	4.8	3.2	3.3	3.0	10.0	3.1	6.7	3.4	4.7	2.3	6.6	26.1	11.2	1.6	8.5	9.3	5.1	7.9	8.1
FCF1	3.4	3.0	2.7	2.3	2.9	2.2	2.6	3.2	4.1	3.4	2.9	3.5	3.5	4.4	4.2	3.7	3.6	4.2	3.2	4.5	3.4	3.1	3.8	4.2	2.7	2.8	4.5	4.0	2.1	2.4	2.7	3.4	3.8	3.9	2.7	4.1	4.6	3.4	4.3	4.0
FCGR2A	2.3	2.1	1.5	1.3	2.6	1.4	3.2	2.7	3.0	1.4	0.5	0.3	4.7	0.6	4.1	1.6	4.2	2.1	2.9	4.0	1.4	1.3	0.6	0.5	0.3	1.9	0.9	1.3	0.5	0.9	0.2	0.9	5.6	2.9	0.7	1.7	1.5	1.6	2.2	1.6
FCGR2B	3.1	2.0	2.5	0.7	4.8	3.3	2.5	5.4	4.9	1.5	0.6	0.4	4.5	0.9	4.2	4.0	3.7	1.9	2.7	3.1	5.1	1.5	0.8	0.7	0.3	1.6	2.3	2.1	0.2	1.5	0.3	1.3	7.0	1.9	0.6	2.3	4.8	2.5	3.9	2.7
FCGR3A	3.3	1.8	3.9	5.9	9.7	3.4	3.8	4.1	4.3	1.4	0.6	0.3	6.7	1.3	4.2	1.8	5.4	2.9	2.7	4.7	3.1	2.0	1.0	2.8	0.3	2.3	0.6	1.3	1.4	1.5	0.9	1.7	5.6	1.7	0.4	1.8	1.3	1.8	2.3	2.6
FCGR3B	0.0	0.1	0.3	0.0	0.2	0.4	3.2	0.1	0.7	1.4	0.0	0.1	0.5	0.3	0.4	0.6	0.7	0.7	0.8	0.3	0.5	0.1	0.3	0.2	0.0	1.2	0.1	1.2	0.1	1.7	0.3	0.8	3.5	0.4	0.3	0.7	1.1	0.4	2.6	1.7
FCGRT	17.0	13.2	10.4	11.2	28.2	19.9	13.4	18.7	23.9	13.0	17.2	13.9	27.7	15.4	43.6	16.6	22.8	18.7	21.7	29.5	31.4	15.3	12.0	13.9	15.4	16.8	16.5	17.4	16.8	21.6	11.8	15.3	57.4	24.1	16.8	16.0	19.0	13.7	18.7	18.5
FCHO2	2.6	2.9	2.8	2.7	4.6	2.9	2.8	3.3	4.2	3.4	2.8	2.7	4.0	3.5	3.1	3.3	4.5	4.3	3.1	5.8	3.6	3.0	3.5	2.9	2.7	3.9	3.3	3.5	2.4	2.4	3.3	3.3	7.8	4.9	3.3	4.2	4.2	3.5	4.8	4.6
FCHSD2	5.9	7.0	5.0	7.5	8.4	6.4	5.3	7.9	8.6	6.0	6.8	5.1	7.7	11.3	9.7	6.8	8.8	7.8	6.3	10.2	6.1	6.7	6.2	6.4	6.5	8.8	6.2	6.9	6.7	6.8	5.5	8.2	14.5	11.8	6.3	8.9	9.6	9.6	8.2	8.2
FCN1	0.4	0.5	0.3	0.4	0.3	0.6	1.0	0.7	1.2	1.2	0.2	0.1	3.5	0.7	1.5	1.5	1.3	1.0	1.1	0.8	2.1	0.2	0.4	0.4	0.1	1.0	0.5	0.6	1.7	4.4	0.6	2.5	3.5	0.9	0.5	0.5	2.4	0.8	1.1	2.0
FCN3	11.7	6.3	4.6	14.4	20.2	11.1	4.2	6.4	1.7	3.0	1.7	3.7	2.4	4.4	0.9	4.4	4.9	3.2	6.2	2.1	4.0	1.8	1.3	6.8	1.2	0.7	1.6	1.3	0.7	2.7	3.6	2.5	2.1	2.8	1.5	3.5	3.5	2.7	3.5	2.8
FDFT1	19.4	19.1	16.1	15.5	21.2	24.4	16.3	19.9	23.5	17.7	20.7	27.6	22.0	26.8	24.2	22.8	24.3	19.6	18.1	24.9	21.2	20.6	20.8	23.7	19.1	18.8	23.6	20.8	18.9	18.7	14.8	19.0	20.4	23.3	22.3	17.0	19.5	16.3	22.8	21.7
FDPS	20.4	21.6	19.8	23.0	20.6	20.9	20.8	18.3	20.7	17.0	22.1	20.0	22.1	23.6	27.2	18.3	17.4	20.2	18.7	21.4	22.9	19.3	21.7	17.7	16.8	16.4	27.3	18.2	21.4	22.0	19.0	22.1	23.7	25.1	24.6	22.3	20.8	16.5	24.1	19.5
FDX1	3.5	4.2	3.8	3.3	6.2	4.1	3.8	4.5	4.1	3.3	4.1	4.5	4.3	4.3	3.5	3.4	2.5	4.5	2.7	4.3	4.2	3.9	3.0	4.0	2.6	3.2	3.3	3.2	2.7	3.5	4.4	4.2	2.4	4.4	3.2	3.7	4.7	3.8	3.8	4.1
FDX1L	3.5	4.0	4.4	3.9	5.0	4.1	4.1	5.7	6.1	4.7	4.6	5.0	4.3	7.4	7.2	4.9	5.3	3.4	5.7	4.3	5.1	4.8	4.5	5.7	5.9	4.5	3.6	6.1	4.9	6.7	5.7	5.7	5.4	5.2	4.4	5.7	5.3	4.8	3.4	3.3
FECH	2.3	3.8	3.2	3.5	2.9	3.7	2.9	3.5	4.2	3.5	5.0	3.3	4.1	3.8	3.6	3.5	3.8	4.5	3.2	4.2	4.2	4.3	4.1	4.2	2.9	3.3	4.7	4.3	2.5	3.2	3.0	3.0	2.6	3.9	2.6	3.4	4.2	3.6	3.3	5.0
FEM1A	18.5	25.7	23.4	22.1	23.2	22.7	23.5	26.3	23.0	19.4	21.7	18.2	21.6	24.1	15.1	25.8	15.5	20.2	16.4	15.9	17.6	19.5	19.9	18.3	14.1	13.7	26.4	23.9	15.6	18.3	19.1	23.3	12.1	22.2	16.9	25.0	24.5	20.3	24.3	21.8
FEM1B	7.1	7.2	9.3	6.6	9.9	6.5	4.8	8.5	9.5	7.6	8.5	4.6	3.9	9.0	4.2	5.8	10.5	9.5	8.7	8.8	6.3	6.2	6.6	4.9	4.2	6.1	6.4	6.2	1.6	1.5	6.7	6.7	11.5	11.1	5.7	11.6	12.0	7.3	5.7	8.2
FEM1C	8.4	6.7	7.5	4.6	11.1	7.7	5.5	7.4	8.6	10.3	8.9	8.4	8.9	13.0	4.2	8.5	9.0	11.3	8.8	10.0	6.3	8.6	7.2	8.3	8.2	9.9	10.4	7.7	3.9	7.6	7.3	7.9	11.3	18.0	12.5	23.3	19.1	12.4	14.1	9.2
FERMT2	25.4	24.3	26.2	35.8	29.7	20.8	22.0	28.2	22.4	21.7	19.2	18.2	23.7	28.3	28.7	23.8	26.5	26.1	21.6	30.5	29.5	23.5	19.6	22.3	17.3	27.9	25.9	25.0	15.9	21.4	22.3	28.9	41.8	39.4	24.0	29.6	29.6	29.9	29.9	27.1
FERMT3	1.4	1.2	1.4	2.0	2.5	1.6	1.8	2.1	3.2	1.5	1.0	0.8	2.5	1.7	4.3	1.4	2.1	1.5	1.0	3.2	2.1	1.3	1.1	1.1	1.3	1.8	1.4	1.1	1.4	1.6	0.5	1.4	8.1	2.9	1.0	2.1	1.7	1.8	2.2	1.7
FES	4.0	2.7	2.0	3.8	4.4	2.5	3.2	3.3	4.1	3.5	2.8	2.6	4.3	2.7	5.0	3.1	2.7	3.5	5.3	4.0	4.7	2.4	2.6	2.9	2.2	4.6	3.0	3.5	2.9	4.2	3.7	3.7	8.7	3.9	3.3	2.7	4.1	2.6	2.9	3.2
FEZ1	5.6	6.3	4.6	6.8	7.5	6.0	6.4	4.1	6.1	4.4	6.7	3.0	7.4	9.4	14.4	4.9	7.1	4.5	3.2	10.0	8.6	5.9	5.6	5.6	4.9	6.7	5.2	6.0	5.7	5.8	5.6	5.6	8.6	6.5	4.3	4.7	6.3	5.2	5.7	5.6
FEZ2	12.1	12.4	10.1	15.7	20.4	17.2	12.9	16.9	17.3	15.2	14.5	15.6	23.4	22.5	20.1	16.8	20.1	20.7	16.2	18.8	15.1	17.9	16.9	14.4	15.4	16.2	15.6	11.4	16.0	18.5	12.1	17.6	17.5	19.5	12.5	14.0	13.9	16.4	15.8	12.0
FGD4	1.0	1.6	1.7	1.8	2.8	2.1	1.5	1.9	3.1	1.2	1.6	1.1	1.1	1.6	1.1	1.3	1.4	2.0	1.9	2.5	1.4	1.4	1.6	1.6	2.7	2.2	2.3	1.7	1.6	1.6	1.7	2.1	3.3	3.5	1.8	3.4	3.5	2.3	3.6	2.5
FGD5	3.2	3.9	2.9	2.2	4.0	3.6	3.3	3.6	5.5	3.8	3.6	2.8	2.8	3.4	8.7	3.5	3.5	3.5	4.4	6.8	4.9	4.6	3.3	3.9	1.3	4.2	2.8	3.3	2.1	2.4	4.1	3.4	8.6	4.2	1.8	3.3	3.7	3.7	4.5	5.2
FGF1	8.2	10.1	7.9	8.3	7.6	8.2	7.8	12.7	14.7	13.7	11.6	21.0	10.3	18.1	15.5	10.9	15.4	19.0	17.0	20.9	13.0	13.9	19.3	20.4	9.5	14.6	9.9	14.8	10.3	9.4	10.3	12.1	6.3	15.1	14.4	11.0	12.5	8.2	11.1	14.7
FGF11	1.4	2.0	2.0	3.4	1.2	1.5	2.6	2.2	4.6	1.8	2.5	2.6	2.2	3.2	1.4	5.1	1.6	1.7	2.4	1.2	2.0	1.7	2.5	3.3	1.9	1.1	1.8	1.7	0.9	1.5	1.8	3.5	1.1	1.5	1.9	1.3	1.2	0.9	1.1	3.0
FGF12	36.0	18.6	23.8	16.5	29.2	27.0	19.7	37.1	25.5	18.5	29.9	15.1	22.2	8.8	12.9	28.3	5.3	23.7	23.5	25.2	16.8	27.9	22.0	24.5	22.3	18.6	30.3	25.2	9.5	26.9	20.2	22.3	4.0	19.2	39.0	15.9	26.7	10.3	15.6	33.2
FGF18	3.2	5.2	1.3	4.7	2.8	3.2	2.2	2.3	6.9	6.5	10.2	4.1	7.6	3.6	2.0	4.5	4.7	2.9	6.9	1.6	7.0	6.5	12.6	3.5	1.1	7.4	3.9	6.6	1.3	7.7	4.2	3.6	2.2	2.4	3.6	1.2	4.5	1.4	3.8	3.8
FGF7	7.8	4.6	2.2	6.7	5.8	4.8	4.6	3.7	3.4	2.7	3.2	3.8	3.9	3.6	3.3	3.6	2.7	2.6	3.0	3.6	3.7	2.7	2.9	3.3	2.2	3.8	1.5	2.2	2.5	1.7	1.3	1.6	6.0	1.7	2.2	1.4	1.7	0.9	1.6	3.8
FGFBP2	2.3	1.9	1.3	0.5	2.8	9.6	0.7	6.5	14.7	0.6	3.3	1.2	3.2	1.1	2.0	4.3	2.3	0.9	1.7	5.5	10.4	0.6	2.8	1.2	4.6	0.5	2.1	1.0	2.2	1.4	0.5	3.7	0.8	1.4	1.0	3.1	6.0	0.5	3.9	3.5
FGFR1	16.2	23.5	23.0	14.4	19.2	14.6	15.1	18.7	18.9	17.7	20.5	15.9	19.7	18.3	30.5	19.9	18.2	17.5	18.3	17.4	23.8	18.6	19.8	16.3	14.5	27.2	21.8	25.1	17.7	23.1	23.2	22.2	26.6	21.2	19.2	20.2	26.2	23.8	22.9	17.5
FGFR1OP	3.4	2.8	2.8	3.3	2.6	1.7	2.4	3.1	2.8	2.5	3.2	2.3	2.8	3.4	1.9	2.5	2.6	3.7	2.9	3.0	2.4	2.5	2.8	3.1	2.6	2.8	2.7	2.7	1.7	2.6	2.1	1.9	2.4	3.5	3.2	3.2	2.9	1.8	2.7	2.9
FGFR1OP2	7.6	7.6	5.5	8.8	9.5	6.7	7.5	8.6	9.9	8.8	7.8	7.8	9.5	10.1	10.4	7.9	10.8	9.0	9.8	11.0	9.5	7.3	8.4	8.5	7.4	10.6	8.6	8.6	5.2	5.2	7.6	8.1	15.8	13.5	6.3	11.3	11.8	9.9	12.1	9.9
FGFRL1	2.3	3.5	2.3	4.5	3.1	2.8	2.6	2.6	2.8	3.6	3.9	2.5	1.7	3.3	2.3	3.9	2.8	2.2	3.5	2.2	3.6	2.7	3.3	2.3	1.3	2.0	3.0	4.6	1.6	1.0	1.7	2.8	2.6	3.5	2.5	2.6	2.7	2.3	2.6	2.4
FGGY	3.6	4.6	3.2	3.5	2.9	3.9	2.8	2.8	3.3	3.6	5.3	4.9	4.1	4.0	3.2	4.5	3.1	4.2	3.3	4.0	5.7	4.3	5.6	5.1	2.2	2.7	4.8	3.5	2.0	4.6	3.2	2.9	3.6	4.1	3.3	3.7	4.8	3.6	4.3	4.2
FGL2	3.0	3.6	2.8	1.5	3.3	3.0	3.0	4.8	4.0	4.6	2.5	1.4	8.0	2.6	10.6	6.8	2.8	4.0	4.2	14.1	2.4	2.4	0.9	1.5	1.6	8.1	3.4	2.9	1.3	4.0	2.7	2.6	12.6	8.2	1.4	3.9	6.8	2.7	5.5	5.4
FGR	1.3	0.9	1.6	1.3	1.7	0.7	3.5	0.9	2.5	0.9	0.9	0.5	2.0	1.1	1.6	1.3	1.6	0.9	0.9	1.1	1.7	0.8	0.9	1.1	0.8	1.5	2.2	1.3	0.9	3.1	1.2	2.0	11.7	2.2	0.8	2.0	2.8	2.2	3.6	1.1
FH	56.6	65.0	61.6	57.1	66.5	52.8	54.6	62.8	55.4	57.2	69.3	70.6	63.8	55.6	44.2	60.2	52.7	66.3	56.2	56.0	57.1	58.6	66.3	65.9	44.9	44.7	65.6	61.5	34.8	61.3	55.9	60.1	28.1	57.5	54.6	63.3	62.3	53.7	64.6	68.5
FHL1	342.4	836.6	468.8	190.1	751.5	262.8	215.2	310.5	423.6	598.9	405.0	440.3	486.6	514.3	544.3	551.2	746.0	591.5	501.2	264.3	588.0	532.0	717.2	363.3	260.9	456.9	911.7	827.7	355.6	565.4	1037.4	961.3	437.1	578.1	428.6	1146.5	785.1	1451.1	1421.1	433.4
FHL2	434.3	383.6	219.5	292.5	513.8	614.0	539.4	828.7	507.2	431.2	464.6	658.0	509.1	283.3	175.7	577.5	257.6	372.8	548.3	336.1	424.8	485.9	500.2	501.9	255.8	400.5	492.0	213.9	234.0	625.0	285.2	221.6	143.6	390.9	511.0	146.0	355.1	119.6	470.7	597.3
FHL3	2.4	1.9	3.1	3.1	4.4	4.4	2.4	2.5	2.9	2.3	1.7	1.6	2.9	3.7	4.8	2.6	2.5	2.1	2.5	2.7	2.8	1.7	1.9	2.0	2.9	3.3	2.3	2.7	3.3	2.7	2.8	5.3	4.6	5.2	5.2	3.4	4.0	3.9	3.7	2.2
FHL5	2.3	1.5	2.4	1.9	2.8	3.6	2.8	1.9	2.9	2.3	1.4	1.1	1.3	3.2	3.6	5.3	2.2	2.6	5.2	3.9	3.4	2.3	1.5	1.0	4.5	3.5	1.4	2.1	2.3	2.7	2.1	2.6	10.9	6.6	3.6	4.1	5.2	2.8	5.6	0.9
FHOD1	2.2	5.1	3.3	3.5	5.6	4.4	2.8	4.1	5.5	3.8	4.0	4.7	3.7	6.6	6.4	3.1	4.1	3.6	3.4	5.4	5.5	3.5	4.3	3.9	4.2	4.4	5.3	5.4	4.1	3.3	7.0	6.7	5.3	4.8	3.0	5.8	5.3	5.7	4.8	4.0
FHOD3	64.1	50.7	41.6	30.8	66.6	46.7	39.9	53.8	64.3	50.6	85.1	72.8	55.7	59.0	40.8	61.8	46.4	60.3	62.0	61.5	59.1	72.0	75.7	65.4	42.5	60.8	84.4	67.8	33.5	61.6	47.3	41.3	28.1	70.5	73.0	58.1	83.1	42.0	56.1	72.5
FIBIN	2.1	4.4	2.8	2.2	6.7	4.2	4.4	3.8	6.4	7.2	5.7	3.2	12.1	16.9	17.8	7.1	9.7	7.6	6.1	13.2	9.1	6.2	4.9	3.7	8.0	26.5	9.6	10.2	12.4	12.8	2.1	11.2	20.8	18.7	4.2	11.8	17.6	11.9	14.7	5.7
FIBP	11.9	15.4	11.9	15.0	19.6	15.6	13.4	14.4	14.1	15.1	14.3	16.1	15.8	18.8	17.2	14.1	18.1	14.0	15.8	13.3	18.7	16.7	14.3	15.2	13.2	12.0	15.9	17.1	11.0	20.1	15.7	17.0	14.0	15.0	15.8	16.9	17.1	17.7	13.6	13.6
FIG4	2.5	2.6	2.4	2.5	3.1	3.0	2.9	2.5	2.7	2.3	2.4	2.4	3.6	2.9	3.2	3.4	2.4	3.6	2.5	3.1	3.3	2.5	2.1	3.0	2.1	2.2	2.2	2.3	2.2	2.4	2.4	3.1	2.8	3.3	2.4	3.1	2.3	2.0	2.7	2.8
FIGF	12.0	8.1	3.9	2.0	7.0	7.1	6.6	12.5	2.8	2.1	5.2	1.3	1.4	0.1	1.6	7.6	1.8	3.5	4.0	6.1	7.4	3.5	2.1	3.5	1.7	1.4	4.8	2.6	1.4	2.0	1.3	2.7	3.2	1.1	3.6	2.9	3.9	1.0	0.5	17.7
FILIP1	27.1	17.6	24.4	8.9	13.9	12.5	12.5	20.4	23.8	16.6	18.9	9.0	8.0	14.4	4.1	11.5	16.7	17.9	21.9	18.7	11.3	17.2	18.0	13.7	10.6	11.6	20.2	14.0	4.2	6.3	12.9	12.6	13.7	17.8	19.4	32.9	25.1	14.1	13.5	27.2
FILIP1L	21.1	14.7	15.6	8.7	26.6	21.4	12.0	18.7	35.1	27.7	18.6	14.5	24.3	21.0	28.3	27.1	40.4	33.4	28.0	49.6	20.4	21.8	23.0	16.2	30.2	31.1	19.7	22.1	19.9	24.0	13.3	21.9	75.5	54.9	19.2	40.3	25.5	42.4	33.6	13.6
FIP1L1	3.3	4.7	3.4	3.6	3.0	4.1	2.6	3.5	4.6	4.3	3.4	4.4	4.0	5.0	5.8	4.2	4.8	4.5	3.4	4.8	3.5	3.3	4.9	4.8	3.0	4.8	5.7	4.1	2.8	3.6	4.8	4.7	6.5	4.7	3.1	4.9	5.6	4.1	6.3	4.5
FIS1	80.7	88.7	89.4	91.9	87.7	99.9	94.3	92.2	80.8	68.1	89.1	97.6	81.6	79.2	84.2	75.3	86.7	81.7	82.1	79.3	74.1	72.1	69.9	79.1	79.8	67.2	97.8	94.3	64.9	91.1	79.0	70.3	69.2	76.5	93.2	75.1	94.8	72.3	81.4	79.0
FITM1	53.5	57.4	40.7	34.9	74.1	64.0	43.0	75.3	45.2	45.9	59.5	58.1	45.4	40.1	27.4	46.4	34.6	47.3	47.1	43.1	40.0	45.5	41.8	62.3	44.8	39.1	57.7	48.9	33.0	49.8	46.9	38.4	17.1	38.6	56.0	34.1	49.4	19.3	41.0	53.4
FITM2	35.2	35.4	29.3	26.8	30.9	34.7	28.4	52.2	38.2	27.9	34.7	27.5	23.1	26.4	16.8	44.1	21.3	36.6	32.0	35.8	34.3	42.8	34.0	37.8	22.5	21.7	39.6	26.4	16.5	11.6	18.4	28.5	16.8	42.7	36.6	36.3	47.0	19.4	30.2	49.2
FIZ1	2.4	2.6	2.7	2.5	3.1	3.0	2.2	2.6	3.1	2.7	2.1	2.5	3.0	2.7	3.8	2.6	3.7	3.0	2.4	2.9	3.0	3.1	2.0	2.8	3.0	2.1	4.0	2.8	2.5	3.2	3.4	2.9	3.1	3.5	3.5	2.5	3.7	2.9	2.9	2.4
FKBP10	1.6	2.3	1.4	4.0	6.3	2.7	2.6	3.5	7.4	4.0	4.0	3.2	7.5	9.5	18.2	3.6	5.3	3.3	3.9	9.8	9.5	4.0	3.3	3.5	4.4	10.5	2.0	4.5	9.7	6.0	2.9	6.3	12.4	8.1	2.7	5.6	6.6	4.8	4.0	3.1
FKBP11	1.0	1.3	0.7	1.3	1.3	0.4	0.5	1.7	1.7	1.4	1.4	1.7	2.3	2.8	3.6	1.1	1.7	1.4	0.7	1.4	2.6	0.8	1.3	1.5	1.4	3.0	0.6	0.4	3.2	2.2	1.4	2.4	6.6	2.4	1.5	2.6	1.5	1.7	2.1	1.1
FKBP15	5.2	5.4	4.4	5.6	6.5	5.8	4.8	5.6	6.6	5.9	6.1	5.7	6.8	7.0	6.5	6.0	6.5	6.2	5.3	7.0	6.4	6.1	6.1	6.0	3.4	5.0	7.4	6.0	4.3	4.7	5.2	5.7	6.8	5.5	4.6	5.2	6.5	5.3	4.9	5.6
FKBP1A	42.9	37.7	37.5	53.3	56.8	35.9	38.5	36.8	49.2	43.0	39.4	45.9	55.0	53.7	65.7	52.3	49.2	46.1	48.4	59.2	57.6	40.6	47.4	43.5	36.5	50.2	42.0	50.4	45.2	58.1	42.0	55.9	73.0	54.9	41.6	45.4	57.1	48.3	50.4	41.7
FKBP2	27.0	23.9	25.6	35.4	19.4	20.9	22.7	25.7	21.3	22.1	22.5	27.0	18.7	34.9	29.0	22.4	23.7	18.4	24.7	25.3	24.3	24.0	22.2	24.4	21.8	20.7	22.5	26.0	20.7	20.3	23.4	27.4	29.7	28.0	19.4	24.2	19.7	26.4	22.3	19.6
FKBP3	40.2	42.8	43.2	43.4	44.7	40.3	43.0	42.8	38.4	37.3	43.5	39.0	49.4	40.8	33.5	44.6	37.0	36.8	39.5	31.5	39.9	34.8	44.6	34.0	30.8	33.6	47.3	39.1	28.9	49.0	39.1	46.1	29.9	35.7	46.7	33.7	45.0	29.1	47.8	44.4
FKBP4	10.4	10.9	7.7	11.5	9.3	10.8	8.3	10.4	9.8	10.4	10.2	10.2	12.1	12.9	10.2	9.5	8.2	11.0	10.1	10.0	12.6	8.3	11.2	11.5	6.9	8.5	10.6	11.0	7.7	7.8	9.7	10.4	10.5	16.2	9.5	8.7	13.5	10.2	11.4	9.6
FKBP5	14.9	44.6	46.0	52.5	56.5	40.2	42.9	44.5	15.9	12.9	10.5	14.2	16.0	30.6	20.7	36.9	21.8	17.3	13.5	13.5	27.8	13.5	10.5	15.9	91.1	49.5	95.5	38.9	22.3	68.8	30.5	47.6	210.4	152.7	79.6	152.7	153.0	109.5	143.0	10.8
FKBP7	2.1	1.3	1.2	1.6	1.9	1.7	1.2	2.3	2.0	2.1	1.9	1.7	2.2	1.6	5.3	1.8	1.8	1.8	1.6	3.4	2.5	2.1	2.1	2.3	1.4	3.2	1.8	1.6	1.9	1.5	1.6	2.0	2.7	2.4	1.5	1.6	2.0	1.5	1.6	1.9
FKBP8	41.4	36.2	32.7	35.8	48.2	45.4	43.3	36.0	41.5	36.1	42.3	44.0	46.9	54.1	70.4	43.0	46.0	38.6	41.1	43.2	46.6	38.5	37.3	39.1	47.0	38.2	49.6	46.0	41.0	49.4	44.9	46.7	56.6	48.8	48.2	37.0	45.5	41.2	44.2	35.0
FKBP9	21.5	19.8	17.4	20.5	26.7	22.3	17.7	20.9	25.5	19.1	21.8	18.6	24.1	26.6	32.4	21.1	20.9	21.6	21.4	26.4	27.7	25.5	20.4	19.3	16.3	20.8	20.4	21.7	20.1	18.9	17.7	19.6	21.6	24.6	17.3	18.3	25.8	18.7	19.3	21.5
FKRP	2.3	2.0	2.0	1.8	3.4	1.8	1.4	2.0	2.3	2.3	1.6	2.4	2.2	3.1	2.4	2.9	2.5	1.8	3.2	2.6	2.4	1.9	2.2	2.3	2.0	2.2	2.3	2.6	1.2	2.4	2.1	2.7	3.2	2.9	2.8	3.0	2.7	3.7	2.6	2.2
FLAD1	7.6	8.0	6.4	10.8	7.8	5.4	8.3	7.3	7.1	5.9	6.4	6.8	6.9	7.3	6.4	6.8	5.4	6.4	7.3	7.2	6.2	6.4	6.0	5.9	5.6	3.7	7.9	7.9	6.3	6.2	6.7	7.5	5.2	7.4	6.7	5.7	8.7	7.3	6.4	5.3
FLCN	8.3	7.5	6.5	7.3	10.0	6.8	4.5	4.6	5.6	6.9	8.5	4.3	6.3	6.2	8.5	4.9	3.1	8.0	9.8	8.9	8.4	6.4	4.5	7.7	3.6	8.7	10.6	11.0	5.0	7.4	10.2	5.6	10.0	11.1	10.3	6.5	9.5	6.4	6.7	7.1
FLI1	5.5	4.4	3.6	3.8	4.2	5.2	3.6	3.8	5.2	4.3	3.3	3.2	4.8	2.8	7.2	4.5	4.5	6.1	5.8	6.6	5.5	4.5	4.6	3.6	1.4	3.6	3.9	3.4	2.1	3.0	5.3	4.1	11.5	4.4	2.9	3.3	5.0	3.6	4.1	5.5
FLII	21.9	32.7	25.3	26.7	27.7	24.2	20.7	25.9	28.2	24.9	20.8	18.3	30.2	27.6	25.7	27.8	23.5	24.0	22.1	20.8	24.3	19.2	21.2	23.5	14.9	23.8	28.4	30.3	21.3	22.1	27.7	29.6	27.4	26.0	18.0	35.8	29.9	30.2	34.4	24.8
FLJ27352	1.8	1.6	1.4	2.3	2.2	3.3	2.0	2.3	1.6	2.1	1.2	1.2	1.8	3.0	2.0	2.5	1.7	1.3	1.4	0.8	1.7	2.1	1.6	2.6	1.4	1.3	2.0	1.4	2.3	2.4	1.6	1.3	0.8	1.3	1.5	1.4	1.5	1.3	1.5	1.1
FLNA	39.8	34.7	36.0	32.3	60.0	39.6	27.4	43.8	50.5	31.7	38.8	29.2	35.9	54.0	151.9	33.5	42.7	39.1	37.8	75.4	62.5	35.8	32.6	34.8	28.8	57.0	24.3	36.1	39.2	22.9	35.0	42.3	79.8	66.0	30.5	31.5	33.8	41.3	49.3	30.3
FLNB	7.6	6.0	7.5	5.6	11.9	6.9	6.5	6.9	8.8	5.6	6.5	5.5	6.3	9.1	11.9	7.6	7.9	8.3	7.0	9.2	11.0	9.4	6.7	5.1	5.8	6.3	12.3	7.7	4.1	7.6	12.2	11.9	19.0	12.0	8.4	11.5	19.6	14.4	10.1	7.1
FLNC	145.3	304.0	252.1	111.9	176.0	139.9	112.9	134.3	163.9	160.0	172.7	137.0	157.9	220.8	143.4	173.4	209.0	209.6	134.5	50.7	201.1	160.8	176.2	150.9	81.3	168.9	344.0	306.4	105.3	121.2	430.2	356.3	150.5	225.9	143.5	435.0	286.5	1022.3	585.1	162.2
FLOT1	78.7	71.9	73.9	142.6	95.2	74.9	77.7	79.4	81.3	72.7	73.0	64.3	88.7	120.5	86.0	70.5	95.0	84.0	77.4	75.5	72.4	78.4	75.3	70.2	68.3	71.2	81.6	88.4	71.0	92.6	75.4	83.4	76.6	83.5	75.5	78.5	90.1	78.2	76.0	73.4
FLOT2	21.2	21.2	17.0	33.1	23.4	19.9	22.6	23.2	20.4	17.3	20.6	17.9	22.7	26.1	27.6	18.3	18.8	18.8	21.7	20.0	23.5	19.6	21.3	16.1	14.1	17.1	23.7	24.1	17.6	20.7	20.8	21.4	22.4	21.4	19.0	18.6	22.3	18.0	21.4	18.3
FLT1	19.1	15.9	11.4	18.5	14.0	13.8	17.3	16.4	15.2	18.7	12.1	10.9	8.0	8.9	8.4	24.6	15.2	19.5	20.5	14.2	15.7	11.5	13.1	11.9	6.2	23.8	14.7	13.8	3.7	20.8	22.6	18.5	28.5	22.4	16.4	17.9	22.6	12.3	19.9	13.9
FLT4	1.2	2.0	1.4	1.8	1.9	1.9	1.8	1.7	2.4	1.7	2.6	2.2	2.3	2.3	3.5	1.7	1.6	2.3	2.7	3.1	3.5	2.1	1.9	2.6	1.1	2.8	2.5	3.3	1.4	2.4	3.0	2.6	4.8	3.0	2.3	2.8	3.5	2.1	3.0	2.7
FLYWCH1	5.7	5.9	3.8	4.1	5.9	6.1	3.8	3.6	8.5	5.8	6.5	9.0	5.4	5.6	7.6	5.2	7.9	6.0	6.3	5.1	6.2	5.9	5.4	4.4	6.3	5.6	6.4	6.4	3.5	5.6	4.9	5.0	10.0	8.7	8.2	3.3	6.0	4.4	5.4	4.3
FLYWCH2	5.0	7.6	8.1	11.2	6.2	6.1	6.1	5.4	7.0	6.9	9.3	8.8	7.1	6.4	8.0	6.9	6.6	7.4	6.0	8.4	6.7	6.6	6.9	4.8	5.7	6.1	6.0	8.1	5.4	9.7	7.5	7.7	7.2	7.0	8.1	6.0	6.6	5.7	6.4	6.4
FMNL1	2.2	1.6	1.3	2.2	2.4	2.0	2.3	2.3	3.1	1.6	1.2	1.3	3.4	1.3	2.7	2.3	1.8	2.0	2.0	2.6	2.8	1.7	1.6	1.7	0.8	2.0	1.3	2.1	1.4	2.1	1.4	2.1	7.6	2.2	1.3	1.5	2.3	1.0	2.2	2.0
FMNL2	2.0	1.9	1.6	1.6	2.7	1.6	1.4	1.8	3.0	1.6	1.7	1.1	2.3	1.8	2.6	1.7	1.8	1.9	2.3	3.2	3.5	1.1	1.4	1.0	1.9	2.7	3.2	2.1	1.7	1.2	2.2	2.4	8.3	5.5	2.3	4.8	4.7	3.7	3.7	2.1
FMNL3	1.9	1.8	1.9	1.4	2.0	1.7	1.0	1.9	3.2	2.6	2.3	2.2	2.6	2.3	4.2	2.5	2.7	3.3	2.6	4.8	2.3	2.4	2.2	2.2	1.7	4.2	1.7	2.2	2.1	1.1	2.4	3.2	5.2	4.5	2.2	3.7	4.4	4.3	2.4	2.4
FMO2	6.4	8.0	6.5	4.1	8.0	11.5	8.3	9.6	4.0	5.2	7.8	3.9	9.2	8.1	9.0	5.5	2.1	7.8	7.3	10.5	8.4	7.6	5.8	6.0	3.0	12.7	8.7	9.1	5.8	5.1	6.3	7.9	6.3	8.3	8.3	7.9	7.9	6.6	9.3	9.6
FMO3	0.3	0.9	0.8	0.9	0.6	1.2	0.7	0.5	4.0	1.3	0.7	0.4	4.4	2.1	4.0	1.5	1.6	1.0	0.4	6.0	1.4	1.4	0.8	1.2	3.5	2.9	0.7	1.3	3.0	1.4	0.2	2.0	2.7	3.0	0.7	1.7	1.3	1.6	1.3	0.9
FMOD	2.1	3.1	2.1	3.8	5.4	5.3	2.0	2.7	23.3	22.9	10.6	7.1	54.6	90.5	104.3	11.4	41.4	9.8	11.9	61.0	21.7	16.3	16.7	7.1	6.0	54.2	3.3	19.1	51.8	21.6	2.3	35.6	37.4	75.3	5.2	28.4	21.3	30.8	10.3	8.7
FMR1	4.6	5.3	4.2	4.3	6.3	3.8	4.1	4.6	5.5	4.5	4.8	5.5	6.4	5.6	4.9	4.8	6.8	6.2	4.6	7.8	5.4	5.0	5.7	5.3	4.3	5.4	4.8	5.0	4.1	4.3	4.2	5.0	8.1	7.7	5.5	5.7	5.9	4.8	6.3	6.9
FN1	21.7	40.8	27.9	18.6	94.9	23.6	15.8	30.8	96.4	73.0	45.7	36.8	63.1	132.6	167.0	63.8	80.2	47.3	60.3	164.8	107.9	58.8	47.8	43.5	32.6	135.4	23.7	53.7	84.5	29.3	21.3	92.4	91.9	130.3	19.4	83.5	135.8	84.8	50.2	29.9
FN3K	14.0	18.0	15.7	12.7	12.2	13.3	9.9	14.6	15.8	18.2	17.3	24.7	10.0	15.9	13.8	16.8	14.7	15.7	18.0	15.2	12.2	15.1	19.7	15.8	14.3	18.4	12.3	14.5	10.8	14.7	13.7	15.4	9.2	11.8	17.2	7.8	9.6	6.2	9.1	11.9
FN3KRP	5.8	4.3	5.5	3.7	4.8	4.8	4.3	5.2	5.3	5.0	5.4	5.4	5.3	7.8	9.9	4.4	5.4	5.9	6.0	6.8	5.8	4.4	5.8	5.5	4.4	7.3	4.8	5.0	5.5	6.6	5.3	5.1	7.6	6.7	5.3	4.7	5.8	4.9	6.0	5.4
FNBP1	3.5	3.3	2.7	3.8	4.8	3.1	2.7	3.3	4.8	3.7	3.8	3.5	4.9	4.4	6.8	3.8	4.1	3.8	4.0	5.5	4.3	3.4	4.2	3.3	2.9	4.6	2.9	3.6	3.3	3.1	3.3	3.5	7.8	4.6	3.3	4.1	3.9	3.6	4.3	3.9
FNBP1L	7.5	7.5	7.2	13.1	8.6	9.8	8.8	10.4	8.3	7.0	6.8	7.6	7.2	8.5	7.1	7.4	7.6	10.0	9.4	11.5	8.5	8.2	9.0	8.6	6.1	8.4	8.6	9.5	5.4	7.3	9.9	10.1	12.9	11.3	8.2	10.9	12.0	9.5	8.8	8.9
FNBP4	8.9	9.6	7.2	8.2	11.2	7.9	7.2	8.0	12.0	8.0	10.1	9.5	10.6	9.5	10.0	8.6	9.8	8.8	10.0	12.4	7.4	10.1	9.5	9.1	7.8	12.2	9.7	10.5	7.0	7.9	8.9	8.9	16.3	8.8	9.4	8.2	8.1	6.7	12.4	14.0
FNDC1	0.4	0.4	0.3	0.2	0.7	0.3	0.4	0.3	0.6	0.3	1.0	0.3	1.0	0.9	1.8	0.8	0.9	0.6	0.6	1.7	1.1	0.8	1.3	0.9	0.5	2.4	1.7	1.6	1.8	1.7	0.5	3.5	1.8	2.6	1.1	1.7	3.7	0.9	0.9	3.7
FNDC3A	4.2	4.0	5.0	3.2	5.2	4.8	3.3	4.6	5.9	6.0	5.2	5.5	5.4	6.1	3.9	4.0	6.2	6.4	5.4	8.7	5.1	4.9	4.4	5.2	3.7	5.5	4.1	4.4	3.0	3.1	4.0	4.5	8.2	7.7	5.3	6.1	6.7	4.4	4.3	5.3
FNDC3B	6.3	7.5	8.4	6.3	7.2	6.1	6.0	8.3	9.4	7.9	6.8	5.1	7.0	9.6	5.3	7.6	9.0	11.4	8.6	9.8	7.9	7.2	7.7	6.5	6.7	8.8	10.6	7.1	3.9	5.0	6.3	8.0	13.4	17.3	7.6	14.4	21.3	14.2	11.9	9.2
FNDC4	0.2	0.4	0.6	1.0	0.5	0.3	0.2	0.6	0.6	0.5	0.4	0.4	0.8	1.1	1.4	0.2	1.4	0.2	0.7	0.5	5.9	0.5	0.6	0.2	0.9	0.6	0.2	0.4	0.9	0.8	0.5	0.7	4.5	1.1	0.3	0.4	1.1	1.1	0.8	0.1
FNDC5	13.7	14.8	16.3	16.3	10.5	15.3	16.5	13.5	12.1	7.2	14.2	11.8	11.3	4.2	8.5	12.9	5.5	8.9	14.0	14.3	7.9	12.6	9.8	12.0	11.0	8.3	12.3	12.6	8.4	11.2	10.1	12.9	3.4	8.6	21.3	9.9	11.9	5.3	10.2	17.5
FNIP1	3.6	3.5	3.5	2.6	4.6	3.2	2.9	4.3	3.9	2.8	2.9	2.4	2.7	3.4	1.8	2.4	3.1	3.6	3.1	4.5	3.1	2.9	3.8	3.1	2.3	3.6	3.4	3.8	1.9	1.7	3.1	2.8	4.4	3.2	3.3	3.9	3.7	2.3	3.5	4.9
FNIP2	4.5	6.2	6.7	9.0	11.4	5.5	5.5	5.4	7.2	6.7	7.1	4.1	3.3	7.3	2.7	5.2	7.9	7.8	6.8	7.0	5.5	5.3	6.1	5.8	8.7	17.3	10.1	12.3	3.2	5.4	12.4	11.7	17.6	21.8	23.7	23.5	18.0	15.7	12.6	5.4
FNTA	20.4	17.3	16.8	19.9	19.9	15.6	14.6	16.8	20.2	19.7	20.0	19.2	23.0	23.3	22.9	18.4	17.2	17.9	14.3	20.0	17.9	16.2	17.6	16.8	12.7	16.2	19.1	17.9	14.6	16.4	18.7	19.5	21.1	18.1	17.7	19.8	21.1	17.6	19.2	17.1
FNTB	1.7	1.1	1.5	2.0	3.2	1.5	1.1	2.9	1.6	1.9	2.0	2.0	1.9	3.3	2.3	1.8	1.4	3.1	1.7	2.8	2.9	2.2	2.7	2.7	1.0	2.6	3.0	2.7	3.0	2.7	1.5	1.0	1.3	2.5	2.0	1.5	4.0	2.7	2.2	1.9
FOLR2	11.4	5.8	3.7	3.8	12.5	10.6	6.2	11.6	14.2	5.4	3.1	1.4	18.2	1.6	17.1	9.4	16.0	11.4	9.8	16.6	14.0	5.5	2.2	2.9	1.6	5.2	8.9	5.4	1.9	6.8	0.6	3.8	22.3	8.5	3.8	7.5	8.0	6.8	6.6	10.3
FOPNL	4.1	4.8	4.5	4.5	4.6	5.7	3.8	4.3	5.9	3.9	5.1	4.6	6.9	6.3	6.5	5.2	4.9	5.3	4.7	6.1	6.3	5.2	4.9	4.7	5.4	4.1	5.4	5.8	3.9	4.5	4.9	5.3	5.5	5.0	4.4	4.3	6.2	4.5	5.2	4.4
FOS	14.0	1.2	2.5	2.2	2.6	14.4	13.4	1.3	7.5	58.2	5.1	1.9	24.1	16.6	651.1	15.2	12.7	2.3	36.7	24.7	12.5	2.7	1.1	1.6	109.7	159.5	28.0	26.2	6.6	534.6	3.3	27.1	1264.1	64.7	3.9	34.3	200.3	132.3	135.2	63.3
FOSB	0.5	0.1	0.1	0.2	0.1	2.2	4.0	0.1	3.8	4.0	0.0	0.2	2.8	3.2	162.6	0.6	1.2	0.1	1.0	4.3	1.3	0.1	0.1	0.1	6.6	9.6	1.3	0.8	0.4	240.6	0.2	2.5	418.2	6.7	1.0	0.8	13.9	14.7	30.9	1.6
FOSL1	0.2	0.2	0.1	0.7	0.5	0.1	0.9	0.1	1.3	0.3	0.1	0.0	0.7	1.5	1.0	1.4	0.5	0.3	0.1	1.0	0.5	0.2	0.0	0.0	3.9	2.7	0.5	0.5	0.4	4.2	0.1	0.8	7.3	2.7	0.1	0.5	0.4	1.3	3.5	0.1
FOSL2	10.3	8.6	10.4	13.8	16.3	15.1	16.5	8.8	12.7	22.2	9.8	7.4	11.6	14.8	12.5	24.7	16.9	12.8	13.8	18.3	9.2	8.9	6.2	5.3	26.1	46.2	19.1	17.9	10.2	26.9	9.6	20.8	95.7	43.7	20.6	20.2	31.5	22.9	35.7	9.2
FOXC1	1.0	0.9	0.7	0.7	1.6	1.3	0.6	1.0	2.7	1.8	0.9	1.0	1.2	2.2	6.1	1.3	1.8	1.5	1.3	3.0	1.7	1.1	1.1	1.3	1.3	3.1	1.3	1.2	1.4	1.4	1.0	1.3	5.6	3.1	1.1	0.9	1.2	1.0	2.4	0.9
FOXJ2	4.0	6.3	4.4	5.8	4.7	5.0	3.9	5.3	5.3	4.8	4.4	5.2	4.1	4.7	5.1	5.1	4.6	4.4	4.3	5.4	4.6	4.2	5.3	5.0	3.7	5.4	6.1	5.7	3.6	3.8	3.8	4.0	6.0	5.3	4.9	5.1	6.0	4.7	7.2	5.7
FOXJ3	7.3	7.4	5.6	6.2	7.0	7.1	6.0	7.0	8.9	7.2	8.0	7.4	6.0	9.3	7.1	7.3	8.1	8.5	8.4	9.9	6.7	7.3	8.7	8.2	6.6	8.7	7.4	7.6	5.2	5.3	7.1	7.3	9.4	8.6	7.4	6.8	8.1	6.4	7.4	8.3
FOXK1	2.3	3.1	2.6	1.9	3.3	2.5	1.8	2.7	3.4	2.3	2.5	2.5	1.5	3.4	3.2	1.8	2.9	2.8	2.5	4.0	2.4	2.3	2.1	3.0	2.1	3.0	2.6	2.7	1.7	1.8	1.8	1.9	2.8	3.2	1.8	2.2	2.8	2.3	2.2	2.6
FOXK2	5.5	5.7	5.1	7.5	5.6	4.9	4.6	5.3	5.8	5.8	5.7	5.7	5.7	6.0	5.2	6.5	5.3	4.5	4.9	5.3	5.6	5.1	5.6	5.2	5.5	5.3	6.7	5.0	4.5	4.9	4.1	5.7	7.1	7.4	8.2	5.7	6.7	6.5	6.5	4.8
FOXN3	14.5	15.3	14.9	13.0	14.2	12.7	11.5	13.8	13.2	11.7	13.0	9.4	8.7	10.3	6.9	10.0	12.1	10.8	10.8	13.6	8.8	12.1	10.1	10.1	8.8	11.1	13.8	10.7	6.0	8.5	8.5	9.5	19.5	12.4	12.3	12.7	11.0	10.2	10.4	15.8

GRIPAP1	6.9	7.9	7.3	7.3	7.4	8.0	6.6	6.7	8.8	7.1	7.0	8.1	9.8	9.6	10.9	8.9	7.9	8.8	7.2	10.0	8.6	7.8	7.9	8.7	7.6	8.0	8.9	9.3	7.4	9.0	8.0	8.7	12.2	9.1	8.1	8.6	8.0	8.6	10.8	8.6
GRK5	23.4	11.5	8.8	17.6	16.4	15.8	12.3	12.8	16.2	12.2	15.1	17.6	11.8	11.3	22.7	13.3	10.1	12.6	16.9	22.1	19.3	17.3	11.6	14.9	9.5	15.3	14.5	11.2	10.5	11.0	9.8	10.7	15.5	10.7	11.4	10.1	8.2	8.4	9.3	15.5
GRK6	2.4	3.3	2.4	2.3	3.7	3.1	2.9	3.2	3.3	3.2	3.0	3.4	3.0	4.5	3.2	4.1	2.9	2.8	3.5	2.7	2.9	2.8	2.7	2.8	3.5	2.2	3.5	3.8	2.8	3.7	2.4	3.9	6.2	3.9	3.0	2.8	4.2	3.6	5.3	2.6
GRLF1	13.9	14.0	12.2	10.6	13.3	9.2	10.0	15.0	15.0	14.1	13.8	11.5	13.2	18.3	12.2	14.7	13.9	13.1	12.6	11.7	12.5	12.9	14.7	13.6	7.5	10.9	13.1	14.2	11.2	7.3	9.8	13.2	10.4	13.9	10.3	11.7	13.6	13.8	13.3	13.6
GRN	36.7	26.1	27.4	34.7	54.7	37.8	30.1	33.5	49.6	34.8	41.1	42.7	42.7	42.4	53.3	41.2	48.2	34.0	38.5	36.5	56.3	49.1	40.2	41.9	28.5	30.2	34.6	35.9	25.0	45.4	20.0	40.0	45.2	38.2	25.3	31.6	33.9	42.2	30.4	34.4
GRPEL1	17.7	20.0	20.4	19.3	19.6	17.7	17.7	20.2	19.0	18.5	18.7	18.5	15.5	14.6	15.3	16.9	15.1	20.6	16.6	16.6	18.8	18.2	18.8	19.7	14.9	13.8	18.2	17.2	12.3	16.0	14.7	17.8	14.5	18.3	14.5	21.4	16.6	17.8	17.3	19.2
GRRP1	1.0	1.2	1.0	1.3	0.9	1.0	1.3	1.0	1.1	1.1	1.4	1.0	2.3	1.6	2.6	1.3	1.3	1.0	0.9	0.5	2.0	0.9	0.9	0.9	0.4	1.3	1.2	1.4	1.1	2.1	1.0	1.9	3.0	3.0	1.4	0.7	1.6	2.1	2.9	1.2
GRSF1	13.1	11.1	11.7	8.7	11.8	10.1	10.5	10.5	11.7	9.3	12.5	10.2	11.2	10.7	9.9	12.3	7.9	12.1	8.8	11.1	9.4	10.5	10.9	10.5	7.7	8.6	10.5	9.2	8.3	9.8	8.0	11.6	7.5	11.2	9.3	9.9	10.8	7.8	10.1	11.0
GRWD1	2.1	2.8	2.5	3.6	2.7	2.6	2.4	2.0	3.5	2.8	2.3	3.0	2.1	3.0	2.6	1.6	2.8	2.5	2.2	2.6	3.4	1.9	2.6	2.5	2.4	2.3	2.5	3.9	2.0	2.9	2.4	2.6	3.9	3.7	2.7	2.6	3.7	3.1	2.8	2.5
GSDMB	0.9	1.5	0.8	0.6	1.2	1.5	0.6	0.7	1.9	1.7	1.4	1.1	2.5	2.7	2.0	0.6	1.8	2.4	1.4	1.6	2.6	1.5	2.0	1.3	1.3	2.0	0.9	2.1	2.0	1.2	2.4	1.3	4.4	2.0	1.6	1.8	2.0	2.1	3.2	1.0
GSDMD	4.6	5.5	4.0	5.3	7.7	5.7	5.0	6.3	6.9	4.9	6.2	7.1	8.3	7.5	11.6	4.4	5.9	5.1	6.4	8.1	7.8	5.4	5.1	6.1	4.9	7.4	5.3	7.4	6.8	7.5	8.2	5.8	12.9	7.8	7.1	5.2	9.5	5.2	6.2	5.0
GSK3A	14.8	16.2	14.7	18.3	16.4	12.4	12.9	15.6	15.2	16.1	13.3	15.4	16.8	16.1	16.8	14.3	16.0	14.0	15.4	15.1	16.8	14.8	14.1	15.4	13.2	16.2	17.7	16.7	12.1	15.4	12.8	14.0	20.0	19.1	16.6	14.6	17.5	15.8	18.1	14.5
GSK3B	5.6	5.6	5.8	4.9	4.7	4.6	4.4	6.4	7.1	5.2	6.3	5.5	4.2	6.2	3.7	5.3	6.0	6.7	6.3	6.8	4.9	5.2	6.6	5.7	3.9	4.7	4.9	6.4	2.8	3.6	5.0	5.9	5.8	6.0	4.4	6.5	6.8	5.0	5.5	7.2
GSN	240.3	332.2	234.4	174.1	368.3	389.1	248.2	288.6	546.5	404.0	506.8	323.0	522.4	447.9	1799.3	464.2	370.3	323.9	446.7	765.9	685.1	439.0	339.3	334.3	352.8	621.6	392.4	372.6	442.9	478.9	239.4	335.5	663.4	686.8	289.8	498.9	388.7	532.9	481.1	334.1
GSPT1	9.6	10.2	10.0	10.1	10.3	8.2	7.8	10.5	9.8	8.7	9.4	7.8	10.5	10.2	7.9	9.5	9.7	9.9	8.2	9.1	9.6	8.6	9.6	8.9	6.5	9.0	9.4	10.0	6.3	8.6	7.7	10.9	10.3	12.8	9.9	10.4	11.7	8.5	10.5	10.8
GSPT2	2.7	3.4	2.6	3.5	2.7	3.1	3.0	3.5	2.7	2.5	2.8	3.2	2.7	2.9	2.6	3.0	2.7	2.7	2.8	2.9	3.4	3.0	4.1	3.3	2.3	2.0	2.6	3.4	2.3	3.4	2.8	3.5	2.2	2.7	2.7	2.4	3.5	2.1	3.0	3.4
GSR	7.9	8.4	7.8	6.8	7.7	7.6	6.8	8.4	9.0	6.7	9.6	7.8	6.6	9.9	7.8	8.1	7.6	8.2	6.9	10.2	7.6	7.9	8.2	9.2	5.9	6.2	9.0	8.3	4.8	4.2	6.3	7.3	8.7	8.9	7.8	7.6	9.4	6.6	9.2	8.8
GSS	5.6	6.5	5.1	6.6	8.8	6.1	5.7	6.9	7.3	6.8	8.8	7.8	7.7	9.9	7.7	6.5	8.3	7.3	7.5	9.0	7.9	7.2	6.9	7.5	6.1	6.3	7.1	9.5	5.2	8.2	7.2	8.7	7.9	7.2	6.5	7.0	7.1	8.0	6.5	6.4
GSTA4	5.1	5.8	3.9	3.8	5.4	5.7	4.3	5.2	6.1	5.5	7.2	4.8	7.8	5.5	9.9	5.3	4.2	5.5	5.8	8.1	7.0	5.5	5.3	5.6	6.4	7.0	6.8	5.0	5.0	6.6	6.1	4.9	6.3	3.6	4.9	3.3	5.8	2.7	5.6	5.9
GSTK1	90.8	91.2	90.2	107.0	116.1	91.8	100.2	98.0	91.0	69.9	88.4	83.9	86.3	78.3	80.0	84.9	71.6	80.4	80.2	86.0	84.0	87.8	87.5	90.2	79.1	70.8	101.9	110.9	64.8	97.3	88.4	95.1	62.6	79.2	96.9	85.2	90.5	73.8	90.9	98.2
GSTM1	0.0	0.6	0.0	0.0	13.7	9.4	9.3	18.3	20.1	7.6	23.0	0.0	0.2	15.8	10.9	13.1	13.2	0.0	0.1	0.0	9.2	9.0	0.0	0.0	19.8	9.8	26.4	8.9	0.0	19.3	5.7	9.6	29.4	0.0	0.0	0.1	6.1	7.0	0.1	0.0
GSTM2	24.4	26.5	21.6	18.8	32.1	34.7	21.4	24.1	24.5	14.7	37.3	19.1	35.5	29.5	32.3	26.8	22.5	19.1	25.9	33.6	31.2	26.1	23.2	19.0	29.0	22.9	41.9	24.8	19.7	42.6	22.5	28.0	42.1	19.4	29.5	22.9	25.3	19.7	29.0	21.0
GSTM3	13.5	3.6	4.0	7.5	7.3	14.8	13.7	10.6	11.9	6.9	12.3	7.6	4.6	17.9	6.1	11.3	8.4	8.0	7.5	6.6	7.6	6.4	7.7	5.4	11.4	6.3	12.9	11.1	2.4	16.2	6.5	11.3	7.7	7.5	8.4	8.0	8.4	6.9	12.8	5.5
GSTM4	11.1	12.4	9.3	10.5	14.4	10.7	11.0	12.6	10.2	6.5	12.1	7.5	9.3	12.8	10.3	9.1	9.1	7.4	8.1	10.2	9.4	7.4	8.5	8.6	9.6	6.7	13.4	9.8	7.0	15.4	9.3	11.1	10.1	8.4	9.0	7.9	10.5	6.0	12.1	10.1
GSTM5	0.7	0.9	0.1	0.4	1.9	1.7	0.4	1.3	2.1	1.1	2.1	0.4	4.9	1.7	6.7	1.5	1.7	0.3	0.2	3.9	1.3	2.5	0.8	0.5	4.1	3.6	1.2	1.9	4.0	2.8	0.7	2.2	12.0	0.8	0.2	0.6	1.8	1.1	1.1	0.9
GSTO1	49.0	56.0	46.2	48.3	49.8	47.6	41.4	37.8	49.7	49.8	50.4	79.4	58.2	58.4	46.7	51.8	49.3	56.0	52.4	53.6	54.3	48.0	47.5	59.9	38.2	40.2	48.0	49.8	36.8	54.3	52.7	53.3	32.5	45.3	53.2	47.7	49.4	44.6	49.1	35.7
GSTP1	56.8	73.4	73.7	85.8	79.1	74.2	66.6	51.4	76.2	60.9	73.9	88.4	84.9	85.3	92.0	66.8	95.6	54.7	81.6	76.5	97.4	68.9	67.1	63.4	73.6	68.3	81.5	81.8	75.1	77.6	79.3	78.5	86.1	58.9	94.9	70.3	83.6	76.2	78.7	62.1
GSTT1	0.0	13.9	22.6	12.2	0.2	33.0	12.6	14.1	0.0	12.0	0.0	28.6	39.3	32.0	38.3	0.0	0.0	15.5	17.4	23.8	14.6	0.2	13.8	13.7	0.1	13.3	0.0	24.0	28.0	46.2	25.4	0.1	0.3	16.3	20.7	11.3	16.1	0.0	13.2	12.2
GSTT2	1.9	6.8	0.2	0.8	3.6	3.0	2.2	2.9	2.2	2.5	1.1	1.4	1.0	1.5	2.1	3.5	5.9	3.0	0.6	3.9	2.5	1.9	2.0	1.9	2.1	3.1	1.9	1.3	1.2	1.3	0.8	3.5	5.4	3.5	0.4	2.1	2.0	3.4	2.1	1.3
GSTZ1	3.0	3.5	2.1	2.7	3.5	4.3	2.2	3.7	3.2	1.9	4.5	3.8	3.7	2.0	4.4	4.9	2.5	4.0	2.8	2.6	4.2	3.4	3.5	2.8	3.7	2.6	4.3	4.4	2.7	5.2	5.4	5.2	2.8	4.3	4.5	3.5	4.6	3.8	4.7	4.0
GTDC1	5.1	3.9	3.9	4.7	5.0	4.5	4.4	4.7	4.6	3.4	3.7	5.0	4.1	3.7	5.1	4.0	4.5	4.4	3.7	5.6	6.1	4.1	4.5	4.9	4.0	4.6	3.6	3.3	3.9	4.5	3.1	3.8	5.2	4.4	3.7	3.7	4.0	3.8	5.6	4.9
GTF2A2	9.5	9.0	10.7	10.6	9.4	9.6	10.9	9.9	10.2	10.3	10.9	11.1	12.4	10.6	10.5	10.8	11.0	11.0	10.8	9.2	11.2	9.4	12.6	9.4	9.2	8.9	10.0	9.5	8.7	11.4	9.7	11.8	10.1	10.9	11.3	9.6	10.7	8.3	11.6	8.9
GTF2B	3.4	4.2	3.8	3.4	4.6	3.6	3.9	3.1	4.7	5.6	4.1	4.9	6.1	5.5	6.0	5.5	7.0	4.4	4.5	5.6	4.3	4.3	4.0	4.2	5.0	4.8	4.8	5.4	3.6	7.8	5.0	4.6	10.4	6.2	4.4	5.5	6.3	4.8	7.3	5.6
GTF2E2	3.4	3.6	3.2	6.4	3.6	3.6	3.9	3.6	5.3	4.2	4.3	3.9	5.3	6.2	6.4	4.3	4.8	5.0	3.9	4.9	6.8	3.7	4.0	5.1	4.1	3.8	4.5	4.5	3.7	5.4	4.3	5.2	9.5	6.5	3.5	5.0	6.4	4.6	5.7	4.4
GTF2F1	7.0	8.2	5.8	9.8	8.8	8.1	6.4	8.3	8.5	8.6	8.1	9.0	7.8	8.2	12.3	7.9	10.3	8.2	7.6	9.9	9.9	8.5	9.9	8.3	7.5	8.6	10.4	9.8	6.5	8.4	6.9	8.4	14.0	10.8	8.9	8.5	8.9	7.0	10.5	8.1
GTF2F2	10.3	11.7	12.2	10.8	12.6	12.4	8.4	8.2	11.4	12.3	14.0	13.0	10.9	14.0	11.7	11.4	12.1	14.2	9.1	12.2	11.2	13.1	10.0	15.1	10.1	10.5	14.0	10.9	9.3	12.4	9.4	13.0	10.1	14.8	12.6	9.7	11.6	11.5	10.9	14.3
GTF2H1	4.9	5.7	4.4	6.8	6.2	4.4	5.4	5.7	6.0	4.7	6.8	4.9	6.3	7.4	6.8	5.5	5.2	5.8	5.2	7.0	8.0	4.9	6.5	5.0	4.7	4.7	6.7	6.4	4.9	6.2	4.9	6.1	7.8	7.2	5.1	6.6	7.0	5.4	6.6	5.8
GTF2H2D	2.2	2.6	2.5	2.6	1.9	1.3	2.8	2.7	3.3	2.9	3.1	2.5	2.5	2.4	3.1	1.9	2.6	3.2	2.2	2.7	2.8	2.1	3.0	2.3	2.1	2.6	2.4	1.9	1.6	1.4	2.9	2.8	4.5	2.9	1.9	2.9	3.1	1.1	2.6	2.9
GTF2H3	2.8	2.6	2.6	1.9	2.6	2.2	2.2	2.8	3.7	2.4	3.3	3.4	2.6	4.3	2.3	2.6	2.2	3.9	2.2	3.9	2.9	2.5	2.4	3.2	1.6	2.8	3.1	3.4	1.3	2.0	2.3	2.9	3.3	3.7	2.6	3.4	3.9	2.9	3.0	3.7
GTF2H4	2.8	3.5	2.4	3.6	3.0	2.9	3.0	1.9	3.9	2.6	3.6	4.0	4.4	4.4	4.0	2.9	3.1	3.2	3.1	3.3	3.6	2.3	3.0	3.4	3.2	2.7	2.9	4.2	2.8	2.5	4.2	3.1	5.8	4.4	3.1	3.0	4.4	4.0	3.7	3.4
GTF2I	18.4	19.3	15.9	16.3	18.5	16.7	14.7	23.5	21.9	20.4	19.7	16.2	19.3	22.4	18.8	18.3	17.3	22.8	18.7	24.0	19.6	19.6	21.2	21.0	12.9	20.9	16.6	20.4	12.5	11.1	17.8	18.2	20.5	22.4	17.0	17.8	23.2	17.7	24.0	22.9
GTF2IRD1	3.4	3.6	2.3	3.2	4.3	2.8	2.1	2.4	2.9	3.4	3.1	3.0	4.1	3.9	2.3	4.2	3.5	2.5	2.6	2.3	2.5	3.6	2.5	3.0	3.6	2.5	4.5	2.8	1.8	2.6	2.2	1.8	3.7	4.4	4.3	2.5	4.1	3.7	4.8	1.8
GTF3A	65.1	67.6	67.2	70.8	75.9	64.5	66.7	68.3	48.6	42.4	42.3	45.1	53.0	69.1	33.2	45.4	55.7	38.0	42.3	38.8	48.5	46.7	43.7	40.5	37.2	38.5	59.4	58.1	39.3	59.8	48.4	49.1	43.7	41.5	53.8	51.6	67.4	39.3	55.4	53.8
GTF3C1	9.2	10.9	10.3	8.9	10.0	8.3	6.4	10.0	11.0	10.8	11.0	10.3	11.1	11.6	11.4	9.9	11.4	10.9	10.1	10.4	11.0	10.4	10.8	11.5	7.5	9.8	13.1	13.9	7.1	8.7	10.8	12.2	12.2	12.0	9.5	10.2	14.1	13.4	11.5	10.1
GTF3C2	3.8	4.6	4.2	3.8	5.1	4.3	3.5	4.4	5.0	3.8	4.0	4.6	4.8	5.5	5.5	4.5	4.3	3.8	4.7	5.6	5.1	4.5	4.0	4.5	3.4	3.6	4.6	5.2	3.8	3.4	3.9	4.8	6.5	5.0	3.9	4.8	4.8	3.8	5.3	4.9
GTF3C3	4.5	5.8	5.6	4.1	6.0	4.8	4.2	4.3	5.9	6.5	4.8	5.2	5.2	6.7	4.4	6.0	5.5	6.1	5.4	6.0	6.5	4.7	6.2	5.8	3.4	4.7	7.5	6.0	2.9	4.0	4.1	5.1	6.3	5.2	4.2	5.2	6.9	5.7	4.9	5.9
GTF3C4	2.0	2.5	2.1	2.2	2.1	1.7	1.7	2.6	2.9	2.0	3.1	1.9	1.6	2.6	1.6	1.7	2.2	2.7	2.6	2.7	2.1	2.0	2.0	1.7	1.5	1.6	2.6	2.3	0.8	1.4	1.5	1.9	1.7	2.6	2.2	2.7	3.5	1.1	1.9	2.7
GTF3C5	8.1	10.2	7.1	8.0	9.7	8.2	7.4	6.1	7.6	6.6	9.9	7.5	7.3	8.2	8.9	7.8	6.6	6.5	7.1	7.6	8.0	7.7	7.9	6.7	6.3	5.8	8.4	9.6	5.7	10.4	9.2	8.2	10.2	7.3	7.5	7.7	9.1	6.8	9.4	8.5
GTF3C6	30.1	27.3	31.2	38.6	31.4	24.4	31.1	31.4	27.2	20.5	28.6	23.6	32.7	32.8	26.5	29.3	23.3	27.3	22.9	25.2	25.3	24.2	25.5	24.6	25.4	23.6	29.7	32.6	22.1	30.1	30.2	30.4	19.1	24.8	29.2	28.3	30.0	24.5	30.0	29.4
GTPBP1	4.0	5.1	3.6	4.6	5.0	4.7	3.7	4.1	6.6	5.3	5.4	6.6	4.8	5.0	6.7	6.3	5.3	5.5	5.9	6.4	5.6	5.2	5.8	6.4	5.3	6.0	6.9	6.0	3.5	5.0	4.4	5.5	8.3	7.3	6.1	5.6	6.6	5.7	7.1	5.9
GTPBP2	6.5	6.8	6.8	7.3	9.2	7.3	5.6	6.5	8.7	6.8	5.8	7.5	8.0	7.7	9.2	8.0	6.7	7.0	6.7	9.8	7.3	6.1	6.5	7.8	9.3	10.1	10.3	8.9	7.2	9.5	8.9	9.0	14.4	10.3	7.9	9.0	9.8	9.7	11.2	7.9
GTPBP4	7.7	8.9	9.7	10.7	7.9	9.3	7.9	9.8	12.1	10.7	10.4	11.2	11.3	12.4	9.5	9.9	10.6	12.9	9.0	11.8	10.5	9.3	10.3	9.6	7.6	10.1	10.2	9.5	6.9	9.3	8.5	12.1	11.4	12.6	8.4	10.0	10.0	11.0	9.8	9.0
GTPBP5	3.8	3.6	6.3	4.2	4.2	4.3	2.6	4.1	6.0	3.2	4.3	4.5	4.1	3.5	3.8	5.2	4.2	4.7	5.0	4.4	4.0	4.7	4.6	3.2	4.1	2.4	3.8	4.6	2.4	2.8	3.1	5.1	3.4	5.6	4.4	4.4	4.5	3.8	5.2	3.7
GTPBP6	16.2	17.8	16.8	16.3	19.2	14.1	13.7	12.8	15.3	9.4	12.2	15.6	11.2	16.5	14.3	15.1	10.5	13.4	14.8	14.3	12.6	11.7	10.0	11.8	12.1	12.4	15.1	15.2	9.0	16.3	13.4	15.8	14.2	17.4	14.8	16.0	14.4	14.1	12.2	12.2
GTPBP8	5.6	7.1	7.1	6.5	6.8	6.4	5.7	7.2	6.0	5.5	7.5	6.2	4.3	5.6	4.2	6.1	5.5	6.6	4.3	5.2	6.0	5.8	5.2	5.9	5.8	4.3	9.1	7.3	3.3	6.0	5.3	6.6	3.3	5.1	5.4	6.2	5.8	3.5	6.4	7.2
GUCA1C	6.3	3.3	2.0	3.7	0.7	5.4	1.2	3.3	4.2	11.8	3.9	4.9	1.7	0.3	1.0	1.1	2.7	4.1	2.4	5.3	2.2	3.8	3.1	3.5	1.9	13.8	5.3	3.9	0.1	3.1	3.4	2.0	0.8	2.6	2.1	6.8	5.5	2.5	4.2	7.3
GUCY1A3	16.6	8.9	7.4	12.7	6.9	7.6	9.3	7.3	13.7	7.9	12.9	4.7	7.0	13.1	7.0	7.0	7.3	6.3	9.7	14.8	8.0	10.9	9.7	6.0	1.6	7.7	7.7	9.3	4.4	5.5	6.1	6.1	3.9	2.8	7.5	6.9	8.7	4.3	7.2	13.2
GUCY1B3	7.2	5.7	6.2	8.9	5.8	6.4	5.4	5.7	8.2	8.0	7.5	4.9	6.2	8.0	6.5	7.1	5.2	5.1	6.4	6.8	8.2	7.9	8.5	5.6	2.6	7.2	6.4	8.2	4.5	5.4	7.1	6.9	6.1	4.3	4.4	6.9	6.9	5.5	7.0	8.1
GUF1	2.5	2.6	2.8	2.0	2.7	2.3	2.1	2.6	3.4	2.0	3.1	2.3	2.4	3.0	1.9	2.6	2.0	3.1	2.2	3.0	2.2	2.9	2.4	2.5	1.8	1.7	3.3	3.0	1.6	1.8	1.7	2.6	1.7	3.0	2.5	2.8	2.8	2.8	2.0	3.5
GUK1	40.6	43.7	42.3	54.5	68.4	46.0	50.8	45.0	63.3	61.4	65.0	69.0	63.1	71.6	83.0	53.7	65.7	48.5	67.1	56.8	68.6	51.9	61.9	47.5	45.1	57.4	51.4	60.0	51.9	65.7	56.8	64.7	72.5	65.6	58.4	51.6	57.1	55.1	57.7	42.7
GUSB	5.3	5.3	4.4	4.2	8.2	5.5	5.5	5.8	7.7	5.6	5.0	5.3	7.1	7.4	12.0	5.5	6.2	5.2	5.9	8.9	8.2	5.5	6.0	6.5	5.2	6.5	5.8	6.0	5.9	8.7	5.2	5.5	13.2	6.9	5.1	5.5	6.9	4.7	7.4	6.9
GXYLT2	1.7	1.0	1.6	1.1	2.5	3.1	1.9	2.7	2.1	1.2	2.2	1.8	2.3	1.9	2.2	4.1	2.4	1.8	2.6	4.7	2.9	1.5	2.3	3.5	1.8	2.7	1.1	0.7	2.0	1.2	1.0	2.9	2.1	1.5	1.2	3.0	1.9	0.6	1.1	3.2
GYG1	35.3	42.3	38.0	50.8	39.8	34.0	36.2	30.6	36.6	34.2	45.7	40.4	46.3	46.4	35.5	43.5	41.9	45.4	39.3	38.5	42.6	42.6	32.6	36.6	24.6	30.6	44.5	45.6	32.0	38.0	38.7	47.5	28.4	43.0	30.6	52.3	44.2	56.4	41.7	31.5
GYPC	48.8	43.8	39.7	46.6	61.5	34.7	37.0	47.7	47.4	45.9	42.8	41.8	44.4	42.0	50.3	37.0	41.9	38.7	45.7	40.9	48.1	38.6	43.4	47.8	32.9	43.2	51.8	54.2	25.8	53.4	56.1	42.6	44.2	36.2	55.6	44.2	47.3	30.6	46.9	46.6
GYS1	38.1	69.4	55.4	35.5	38.2	46.9	35.9	41.6	43.6	46.9	53.3	58.7	45.2	60.7	40.9	51.4	44.8	53.0	48.3	41.6	45.4	52.1	54.5	54.4	30.7	41.4	51.7	78.7	36.5	49.7	49.4	60.0	26.5	48.0	32.9	48.3	46.5	51.7	47.5	45.9
GZF1	5.1	4.8	4.3	3.5	4.1	5.1	4.0	6.9	5.3	5.2	5.9	6.1	5.6	6.0	3.1	5.4	4.5	4.6	4.7	5.3	4.2	5.2	5.7	4.7	2.6	4.7	4.3	3.9	3.0	3.5	3.0	3.8	4.2	4.4	4.6	2.9	4.4	3.8	4.3	4.6
H1F0	23.9	41.7	39.8	31.0	30.8	44.3	43.0	25.8	28.5	23.5	26.0	29.4	27.4	35.5	29.5	28.9	23.2	18.9	24.8	29.0	23.9	25.7	29.2	30.9	21.1	33.5	33.2	32.2	21.0	22.3	24.6	32.5	23.8	19.2	24.3	24.0	27.7	22.2	23.2	29.3
H1FX	7.4	10.7	9.0	6.9	12.1	15.6	16.1	6.9	9.8	6.9	10.7	12.3	9.0	13.8	19.3	8.3	10.2	6.7	9.0	10.5	9.9	9.2	8.7	8.9	9.1	14.9	11.1	9.7	9.8	10.0	9.7	11.2	17.0	7.4	9.6	10.1	9.2	7.1	8.4	10.7
H2AFJ	3.1	3.4	3.0	3.4	5.3	3.0	3.9	3.7	3.3	1.9	4.1	3.3	2.6	4.9	7.6	3.5	5.0	2.8	2.6	4.5	6.1	2.9	3.4	2.2	3.8	3.4	3.5	3.2	3.4	3.2	2.9	3.8	7.3	4.7	3.0	3.4	4.3	2.9	3.8	2.9
H2AFV	22.9	24.9	21.4	19.8	20.4	18.5	22.6	23.8	25.6	22.1	28.4	23.7	21.7	23.4	18.4	25.4	22.6	24.6	21.0	24.4	19.5	21.1	23.2	19.2	17.8	20.2	26.2	26.5	15.4	22.0	22.7	21.6	19.7	27.9	24.4	22.1	24.4	17.9	26.2	23.7
H2AFX	1.7	1.6	1.3	1.9	2.0	1.8	1.4	2.2	2.9	2.7	2.3	2.1	2.9	2.2	2.7	2.6	1.8	1.9	2.6	2.0	2.8	1.3	1.8	1.7	2.8	2.1	2.3	1.8	1.5	3.2	1.5	2.0	5.6	3.9	2.8	2.5	3.3	2.7	2.9	1.8
H2AFY	19.4	26.3	24.7	28.4	28.7	19.7	22.1	30.3	24.9	21.0	24.7	27.5	19.5	24.9	25.0	23.7	21.6	19.5	26.1	19.8	25.0	19.6	27.7	25.8	20.0	25.2	25.8	27.7	17.3	25.2	20.9	27.0	37.6	25.2	28.4	18.3	33.0	20.4	28.5	24.4
H2AFY2	4.3	5.3	6.2	4.7	4.0	4.3	4.0	4.9	4.9	4.0	4.3	4.0	4.3	5.0	4.8	4.2	3.4	4.7	3.6	5.1	4.3	4.4	4.7	5.3	3.5	3.7	4.2	5.4	4.2	5.3	4.5	6.4	1.4	4.4	2.3	4.1	5.2	3.5	3.0	4.5
H2AFZ	17.3	16.8	15.6	17.2	21.7	17.5	17.8	20.3	18.2	14.3	14.0	13.0	19.2	23.3	20.9	16.0	13.9	13.5	14.7	16.8	17.2	12.9	11.2	15.4	11.9	14.8	16.3	16.7	13.6	23.0	19.1	19.1	30.0	20.8	21.0	17.7	20.2	15.5	23.1	16.6
H3F3A	24.3	25.3	23.6	31.4	35.1	23.3	25.0	24.1	32.9	24.1	32.2	32.1	32.3	28.7	36.8	26.3	30.2	25.8	26.5	31.9	31.5	25.2	27.8	25.7	19.9	30.9	33.8	31.5	19.5	33.2	28.4	31.8	39.1	31.2	30.0	24.8	35.0	26.0	39.2	31.3
H3F3B	29.7	35.7	28.5	32.6	36.5	45.7	48.7	24.2	42.2	35.9	33.3	31.3	43.9	51.4	77.8	31.2	35.0	26.5	33.4	43.6	40.3	27.4	31.6	30.1	31.4	46.3	36.5	30.7	28.3	51.2	37.4	43.6	79.4	40.4	30.7	36.4	37.3	35.1	46.6	38.3
H6PD	5.8	6.7	4.3	7.6	6.9	7.2	6.1	6.0	6.7	4.8	6.4	5.2	6.5	6.4	7.9	6.4	6.0	6.7	5.3	6.3	6.5	5.9	5.1	5.3	5.5	6.3	8.3	5.8	5.7	4.5	4.8	6.0	7.0	8.5	6.2	4.8	7.3	5.7	7.7	5.4
HAAO	0.6	1.1	0.6	0.4	1.2	1.5	0.6	1.2	1.7	1.1	1.0	1.6	2.8	2.4	7.0	1.9	2.0	1.2	2.1	4.3	2.0	1.5	1.6	1.6	2.0	2.5	1.4	2.2	3.3	2.6	1.1	3.2	3.6	3.6	1.1	1.5	1.7	2.0	1.7	2.0
HABP4	8.3	10.7	10.2	9.7	9.8	9.2	8.0	7.8	10.2	10.6	9.8	11.7	10.8	12.3	14.8	9.0	11.0	9.6	9.2	11.3	10.3	11.1	12.1	10.0	7.9	10.5	10.7	10.5	10.3	10.3	9.9	11.2	9.7	11.5	9.3	11.1	9.8	12.2	11.3	10.4
HACL1	4.0	3.8	3.3	3.4	4.3	4.5	3.7	4.4	4.0	3.0	3.7	3.2	4.5	3.9	4.1	4.5	4.1	2.9	2.7	3.6	4.0	3.4	4.2	3.8	2.9	3.5	4.6	4.1	2.8	4.1	3.4	3.9	4.3	3.7	4.3	3.3	4.6	3.4	3.9	4.0
HADH	84.8	75.4	77.6	82.5	88.8	78.6	83.1	104.8	72.1	70.7	88.8	76.0	81.6	66.6	52.3	70.2	58.1	95.2	76.3	63.2	81.8	72.6	55.6	82.3	59.8	64.9	90.6	93.8	45.9	77.2	70.2	77.6	49.2	79.9	87.0	77.3	79.6	73.4	77.4	92.5
HADHA	159.7	138.5	142.2	174.7	189.1	104.4	164.6	179.9	123.6	131.6	106.2	134.7	137.7	103.3	100.9	108.3	129.9	124.3	140.6	108.2	146.8	140.4	157.5	140.5	113.8	106.8	175.9	135.4	77.9	110.3	95.6	122.0	107.0	137.4	229.9	142.8	158.6	142.3	197.7	187.3
HADHB	300.6	327.7	285.1	301.9	384.1	224.0	343.2	295.5	223.1	208.4	219.1	242.5	236.0	190.7	124.5	173.9	218.8	181.2	236.7	165.7	255.9	222.1	226.3	225.3	169.3	150.5	292.3	225.3	128.1	174.2	163.5	190.0	122.9	186.8	338.0	236.3	233.1	204.4	258.7	275.7
HAGH	33.7	31.8	44.1	40.8	29.0	35.9	34.5	33.4	32.4	30.6	37.3	40.1	29.9	34.2	31.9	38.4	37.8	37.5	34.3	32.3	30.2	29.9	32.6	34.4	32.5	25.0	43.6	47.0	24.8	36.5	30.9	38.3	25.4	40.5	35.0	33.8	31.6	32.3	34.2	30.1
HAGHL	1.8	1.4	2.7	1.1	1.5	2.3	2.2	2.0	4.0	1.2	1.8	2.1	1.2	4.2	1.1	2.8	1.2	1.5	1.6	2.5	0.6	0.5	1.5	1.3	2.9	0.6	2.1	1.3	2.5	3.0	1.8	2.8	2.1	2.1	2.5	1.6	1.6	0.3	0.9	1.5
HAND1	6.5	11.1	6.9	8.9	6.9	8.2	8.0	6.6	5.1	5.2	9.0	4.7	5.0	5.8	4.0	6.1	4.9	5.9	5.9	3.9	5.0	6.6	8.9	4.9	3.5	3.7	4.6	8.8	2.8	5.6	7.2	5.8	2.3	4.2	5.1	5.5	7.0	4.5	7.0	8.7
HAND2	29.8	22.9	16.7	28.4	18.2	17.8	25.6	16.3	28.9	17.8	29.6	24.0	27.3	34.9	19.3	27.2	24.9	21.9	20.2	21.4	20.9	21.1	23.6	26.8	13.6	15.2	21.8	23.8	14.7	14.6	20.4	21.4	7.4	14.0	12.3	15.5	16.6	13.5	19.1	25.5
HAPLN1	0.1	0.2	0.1	0.0	0.3	0.1	0.0	0.3	1.1	1.0	0.3	1.0	0.7	2.7	1.6	1.1	1.7	1.4	1.6	3.0	0.6	1.0	0.2	1.3	0.7	1.2	0.1	0.3	3.3	0.1	0.0	1.8	0.8	3.9	0.1	0.7	0.2	0.8	0.1	0.7
HAPLN3	0.4	0.8	0.6	0.7	0.7	0.7	0.7	0.2	2.8	1.6	1.0	1.1	3.8	2.6	3.6	1.1	2.1	1.1	1.3	1.9	2.2	0.4	1.0	1.0	1.2	2.0	0.2	1.2	2.3	1.6	1.2	2.2	6.3	2.6	1.2	1.4	2.5	1.6	1.2	0.7
HARS	10.2	12.3	10.4	12.6	13.0	12.3	10.9	12.9	14.0	14.4	14.4	14.6	16.0	13.9	15.0	11.3	14.3	15.0	12.9	14.6	14.8	13.1	13.4	15.1	12.3	11.6	13.9	13.4	11.3	15.8	11.7	13.6	17.0	16.6	13.0	13.4	14.3	12.7	14.8	13.0
HARS2	9.3	10.7	9.8	8.4	9.4	10.3	8.2	9.4	12.1	9.8	13.5	12.3	13.3	12.7	10.4	10.0	10.2	12.8	10.1	11.0	11.5	9.9	11.6	10.8	7.9	7.4	10.1	12.0	9.3	11.6	11.3	11.2	7.9	12.3	9.0	12.9	10.5	9.0	11.3	10.8
HAT1	12.2	11.7	11.5	12.6	13.2	10.5	11.9	10.9	13.8	12.5	11.3	12.4	13.1	13.7	13.5	11.2	9.1	11.7	11.9	12.6	12.7	12.7	12.7	12.7	10.7	10.7	14.8	14.4	7.7	12.6	10.2	12.9	16.0	13.1	15.6	10.9	13.2	9.8	15.5	13.0
HAUS1	2.8	2.9	1.3	2.1	2.3	2.1	1.3	1.8	3.2	2.7	2.6	2.5	6.3	4.5	4.9	2.3	2.0	2.2	2.0	3.5	2.7	1.6	2.2	3.3	2.9	3.1	2.7	3.4	3.9	3.0	3.9	3.4	4.8	3.4	1.9	2.3	3.1	1.2	3.1	4.4
HAUS4	6.3	7.9	6.4	8.3	7.7	7.9	7.6	7.4	9.0	6.5	7.0	7.0	9.8	7.6	12.9	9.4	5.8	7.3	5.1	8.9	9.5	7.3	6.7	8.1	9.2	7.6	7.6	6.5	7.9	7.1	6.6	8.1	12.5	7.8	6.8	5.6	10.1	4.0	7.7	9.6
HAUS7	3.3	2.6	2.3	3.9	2.7	2.3	2.1	2.4	3.9	2.9	3.4	3.8	3.9	3.9	5.3	2.2	2.8	2.5	4.0	3.5	3.2	2.1	2.5	2.8	3.9	3.3	2.1	3.0	2.7	3.0	2.4	3.4	4.1	2.8	2.8	2.3	2.6	2.2	3.3	2.8
HAX1	60.6	64.6	60.2	63.5	49.7	63.7	56.6	65.6	51.7	54.3	57.9	63.1	51.4	54.7	51.0	59.9	57.6	56.4	51.9	49.9	52.6	51.9	55.5	55.2	43.9	48.5	66.5	65.3	36.6	65.4	59.8	55.8	45.7	55.8	58.3	56.9	58.4	52.4	58.2	59.0
HBA1	0.0	0.1	0.0	0.0	0.8	12.5	1.2	1.0	67.3	70.8	111.9	63.3	10.4	15.0	105.7	48.0	23.9	22.5	31.6	14.0	369.8	26.6	115.3	183.9	14.1	78.4	24.3	58.0	38.3	74.9	20.6	126.7	29.7	21.6	8.1	12.5	6.5	8.2	25.5	15.2
HBA2	2.1	0.2	0.9	1.1	0.1	15.0	0.7	0.0	59.9	66.3	127.1	57.6	22.5	20.8	92.9	28.7	11.9	26.1	21.3	19.8	523.8	57.0	85.6	191.4	13.3	66.3	22.4	51.9	56.6	171.0	21.6	54.7	30.0	31.8	2.4	16.5	7.8	19.0	23.7	13.4
HBB	1.8	0.3	0.7	0.5	0.2	19.6	2.9	1.0	120.2	116.3	188.6	108.0	37.8	38.9	103.4	97.3	42.0	53.1	65.2	24.9	957.3	63.6	180.5	317.6	18.1	136.9	32.4	87.0	103.1	209.6	32.1	222.3	31.1	44.8	12.2	20.7	11.0	16.8	46.5	26.0
HBEGF	4.5	9.0	6.6	3.8	11.8	5.8	3.6	5.6	7.2	8.5	6.0	8.2	9.6	9.6	13.2	5.7	10.9	6.8	9.7	9.3	8.2	6.6	9.5	5.5	6.2	10.2	12.0	16.5	4.4	10.0	14.0	14.3	34.8	11.3	13.2	31.5	14.9	15.9	16.2	10.0
HBP1	16.1	17.5	10.8	12.1	24.0	18.2	18.4	13.7	19.3	19.2	18.3	20.8	23.5	20.9	20.5	20.3	21.7	21.3	16.2	21.6	19.7	23.1	19.6	19.0	20.8	19.5	26.1	19.4	13.2	15.9	12.9	15.2	36.7	23.3	20.9	23.8	23.3	16.0	31.5	21.9
HBS1L	6.7	5.8	5.7	5.4	5.6	5.6	5.3	6.3	6.0	6.1	6.1	4.4	6.2	6.4	5.0	7.4	5.9	6.0	5.9	5.5	6.0	5.8	5.7	6.5	3.8	5.3	7.0	6.3	3.8	4.9	4.8	5.6	5.7	5.9	5.8	5.8	7.2	5.0	5.6	7.1
HBXIP	51.1	55.2	59.6	53.8	52.8	50.5	54.3	55.1	46.5	54.2	56.7	57.0	50.2	48.7	44.6	46.4	44.7	55.5	50.9	52.5	45.5	46.7	51.4	48.9	43.5	45.5	62.4	55.6	43.5	54.0	47.8	51.7	39.2	51.8	52.9	55.2	51.2	47.9	56.1	47.4
HCCS	10.7	11.2	11.0	10.4	12.4	8.9	10.4	13.8	12.1	11.2	11.3	11.6	10.5	11.2	8.8	12.7	10.9	12.0	9.7	10.8	10.8	11.3	14.0	12.7	7.6	8.8	12.3	12.2	8.7	9.6	8.6	12.8	7.1	11.8	9.4	11.4	11.1	9.9	11.3	12.0
HCFC1	4.1	5.1	4.2	4.9	4.9	4.7	4.4	6.1	6.2	5.0	5.1	4.8	4.5	5.0	6.1	5.5	4.7	5.8	5.6	5.7	5.0	4.9	5.5	5.2	3.6	4.7	5.3	6.3	4.0	3.4	3.8	5.0	6.6	6.8	4.8	4.6	6.6	4.7	5.5	5.2
HCFC1R1	18.3	22.8	16.5	18.3	23.7	18.0	16.0	18.5	16.6	11.3	23.9	13.6	20.3	28.5	30.5	14.7	15.2	14.9	13.1	20.9	18.8	18.5	12.7	14.3	15.8	18.5	20.5	21.0	14.2	25.8	30.0	18.5	20.7	18.9	19.3	17.3	28.0	15.5	22.0	19.0
HCK	0.7	1.0	1.3	1.4	2.1	1.1	2.7	1.3	1.9	0.7	0.7	0.2	3.3	0.4	2.3	1.4	2.2	1.6	1.2	2.4	1.2	0.7	0.4	0.9	0.3	0.5	0.1	0.9	0.9	1.0	0.4	1.3	3.7	0.9	0.1	0.8	1.2	0.9	1.2	1.3
HCLS1	3.1	3.6	4.9	4.8	6.8	4.6	6.3	5.4	5.8	2.3	1.6	2.4	8.2	2.9	6.3	5.3	3.9	4.5	4.2	6.0	4.7	1.8	2.6	3.1	2.1	4.3	4.1	3.1	3.9	6.1	2.1	4.9	32.1	9.3	2.8	7.5	9.7	5.2	11.7	3.4
HCN2	2.9	1.6	2.0	2.5	3.0	2.7	0.8	0.8	1.1	5.9	3.3	8.2	2.4	9.0	1.2	2.6	3.1	3.2	3.1	2.5	1.2	2.8	4.3	12.9	0.3	4.0	2.6	1.6	3.1	2.6	1.4	2.9	1.1	3.0	2.9	1.5	1.1	2.6	1.9	7.0
HCST	1.4	1.1	0.6	0.9	1.3	1.5	1.6	1.7	4.4	0.9	1.7	0.5	5.2	0.2	4.7	1.2	2.8	0.9	1.9	5.9	1.7	1.5	1.1	2.3	0.1	2.2	0.6	2.1	1.2	1.9	0.7	1.7	13.6	1.7	0.7	1.5	2.7	1.9	2.5	1.5
HDAC1	11.0	9.1	8.7	10.4	9.9	9.8	8.8	8.9	10.6	9.5	9.6	10.3	10.1	12.4	11.9	9.5	8.1	11.1	9.8	12.8	9.7	9.9	9.8	9.7	5.8	8.1	8.0	7.9	6.6	9.0	8.4	9.2	14.0	9.5	8.7	7.4	10.1	7.8	7.4	9.0
HDAC11	6.1	6.2	5.4	8.4	5.3	6.0	6.2	5.3	6.5	5.7	9.2	6.5	6.4	5.6	6.4	5.9	5.4	7.3	5.4	6.9	6.1	6.9	6.3	7.6	4.2	4.9	6.1	7.9	5.1	7.4	6.2	7.5	3.8	7.8	6.2	6.8	6.5	5.3	5.2	5.8
HDAC2	3.0	2.8	2.5	2.6	3.1	2.4	2.2	2.8	3.6	3.5	3.0	3.0	3.6	3.9	3.7	2.7	3.0	3.6	3.5	3.5	3.1	2.8	3.7	3.6	2.0	3.8	3.1	3.1	2.6	3.0	2.8	3.4	3.7	3.7	3.6	3.0	3.6	3.2	3.4	2.8
HDAC3	9.9	10.5	9.3	10.4	11.3	10.3	10.2	10.5	12.1	9.2	11.4	10.7	11.9	13.6	12.5	11.3	10.1	10.6	10.3	10.2	10.6	10.1	11.8	11.4	10.3	10.4	12.9	13.3	9.6	13.4	8.5	10.8	11.9	11.1	12.2	10.3	11.5	9.6	12.5	11.6
HDAC5	8.3	8.9	6.0	9.9	8.3	9.2	7.0	8.2	10.5	12.7	9.1	10.3	12.4	9.8	11.4	10.3	11.9	8.2	10.6	9.0	8.6	8.5	11.1	9.8	8.4	9.4	13.1	11.9	7.5	10.0	10.1	9.3	11.7	10.9	12.4	13.1	10.8	12.7	14.0	10.7
HDAC6	5.8	7.5	5.9	6.4	7.6	6.0	5.6	6.5	6.9	5.7	7.2	5.8	7.3	8.1	8.8	6.2	5.2	6.6	6.7	7.3	6.1	6.3	6.2	6.3	5.8	6.8	6.8	6.9	5.4	7.0	7.3	7.2	10.2	8.0	6.6	7.0	7.5	6.7	8.1	6.3
HDAC7	8.9	9.4	6.8	8.0	11.8	11.9	7.5	8.8	13.6	8.4	8.7	10.1	10.8	13.0	19.9	7.9	12.3	9.6	10.6	13.9	15.0	9.4	9.7	10.8	10.1	11.4	9.0	13.8	10.2	10.9	13.2	13.5	20.7	16.9	11.7	12.1	16.1	13.3	11.3	8.9
HDAC8	2.1	3.1	2.2	2.9	3.8	2.8	3.0	3.5	3.5	3.3	2.6	3.5	4.6	5.0	4.1	3.6	3.7	3.7	2.8	3.7	3.9	3.0	3.2	3.5	2.7	2.8	2.9	3.8	3.2	3.4	3.5	3.8	4.4	4.4	3.2	2.9	4.3	3.8	3.8	3.0
HDAC9	2.4	2.9	1.3	1.8	3.2	3.3	2.2	3.9	5.6	3.4	3.4	3.7	2.6	5.8	3.9	2.7	3.6	4.9	3.3	5.5	2.7	2.6	3.4	4.2	3.3	5.5	3.9	4.6	2.9	3.8	3.5	5.0	3.1	6.1	3.1	5.3	4.2	4.2	3.9	3.5
HDDC2	15.2	19.5	16.4	15.6	17.2	14.7	17.1	14.6	14.3	14.6	15.9	14.7	18.4	19.7	14.1	15.5	17.8	17.4	12.7	17.0	16.4	14.4	17.7	16.4	12.8	14.2	21.6	14.4	13.7	21.9	16.7	16.7	16.2	16.1	17.1	16.3	21.6	12.4	20.2	16.6
HDDC3	3.6	4.1	3.3	3.7	3.7	3.5	3.9	3.2	3.5	3.1	3.9	3.2	2.9	4.5	3.7	3.3	3.2	4.3	3.3	1.9	3.2	2.7	3.5	3.8	2.0	2.7	4.5	4.2	4.0	4.3	3.9	4.6	3.3	2.3	3.0	2.2	2.3	2.3	3.1	3.2
HDGF	38.8	36.8	34.5	40.2	31.6	31.0	37.0	35.2	37.4	28.1	32.3	24.4	31.3	35.0	36.9	33.8	29.2	32.0	25.6	32.6	25.7	27.1	28.1	28.6	29.1	31.6	34.0	32.8	27.2	26.6	26.0	37.8	33.9	38.6	32.5	30.1	31.8	25.9	35.6	36.7
HDGFRP2	4.2	5.9	4.7	6.2	4.4	5.7	4.5	5.3	7.0	6.6	5.3	6.3	7.4	7.7	6.9	5.7	7.4	5.1	5.3	5.5	5.9	4.5	6.3	6.5	5.9	6.6	5.9	7.2	5.1	5.9	5.0	5.6	7.9	6.3	4.6	5.1	5.1	3.8	5.8	6.8
HDGFRP3	9.6	10.0	8.9	11.0	10.2	10.1	10.0	9.2	13.3	9.9	10.1	10.0	13.1	13.8	14.3	12.6	13.9	13.1	11.6	12.8	13.3	11.7	13.4	10.0	8.6	14.0	10.7	13.1	10.2	9.6	10.0	16.3	17.3	17.1	10.7	12.0	13.8	11.9	14.5	11.6
HDHD1	3.8	7.3	3.7	4.3	3.9	4.8	4.2	6.3	5.2	4.9	4.0	4.7	4.4	4.1	3.5	4.9	7.1	6.1	7.0	3.9	5.0	4.3	6.6	5.1	3.4	3.0	4.4	4.8	3.3	3.2	4.3	4.6	3.4	4.1	5.2	4.0	4.8	4.0	5.9	4.5
HDHD2	7.0	8.2	8.5	11.1	7.0	6.7	8.4	9.9	9.0	8.4	9.1	8.3	8.1	10.0	8.4	7.8	7.9	7.9	9.1	8.7	6.7	9.1	8.6	8.1	5.8	6.7	8.6	11.9	6.2	7.0	6.1	9.0	6.7	7.4	8.9	9.3	8.2	9.2	9.1	9.0
HDHD3	2.2	3.8	2.8	5.3	3.8	2.5	3.4	2.6	2.7	2.2	4.2	3.5	2.8	3.0	3.5	2.1	2.8	2.4	2.9	2.4	2.9	2.8	3.0	2.8	4.3	2.1	5.1	3.0	2.0	3.7	3.5	2.8	2.6	4.5	3.8	2.5	3.3	3.2	4.2	3.4
HDLBP	57.8	56.5	50.9	60.5	61.4	51.8	41.2	62.5	52.8	58.9	49.2	57.3	58.5	62.3	61.5	53.4	65.0	53.2	51.1	54.7	64.0	57.1	61.6	61.1	33.7	55.9	61.1	58.4	38.3	48.2	41.4	47.7	61.0	59.6	45.4	54.5	71.3	58.2	61.0	61.3
HEATR2	4.8	5.1	3.5	3.7	5.4	6.2	4.9	6.1	5.0	4.1	6.4	5.1	4.6	5.0	6.1	4.7	3.6	5.8	5.1	5.3	5.3	4.8	5.3	5.2	5.0	5.2	5.6	6.6	4.5	4.6	5.7	5.9	3.9	6.2	5.1	5.4	5.1	5.0	5.4	5.1
HEATR5A	3.6	3.0	2.7	3.1	3.0	2.1	2.2	3.7	4.3	2.6	3.1	1.9	2.1	3.9	1.7	2.5	3.4	3.5	3.2	4.6	2.7	3.1	2.6	2.7	1.6	2.5	2.5	2.1	1.6	1.5	2.2	2.5	2.3	3.7	2.6	3.9	3.6	2.3	1.9	3.9
HEATR5B	6.5	4.5	4.4	2.6	5.6	4.5	4.2	5.1	4.8	3.6	4.1	3.5	4.2	5.5	3.2	3.6	3.6	3.7	4.1	5.0	4.1	4.0	4.0	3.7	2.6	3.5	4.3	4.3	1.9	2.5	3.7	3.8	5.0	3.3	3.6	4.4	4.8	3.0	4.4	5.5
HEATR6	2.5	2.4	2.7	2.6	2.5	2.5	1.7	3.1	3.5	2.6	2.9	2.9	3.4	3.5	2.6	3.1	2.6	3.5	2.1	3.7	2.9	3.0	3.2	2.7	1.5	3.0	2.1	3.3	1.9	2.3	2.7	2.7	2.7	2.4	2.1	2.7	3.5	2.1	1.7	2.7
HEATR7A	2.9	4.6	3.2	3.6	5.3	3.9	3.4	3.7	4.3	3.4	3.9	4.0	3.4	4.0	4.0	3.2	3.9	3.9	3.7	4.3	3.8	4.1	3.0	3.1	3.8	3.5	3.3	4.8	3.3	3.7	4.7	4.4	4.8	5.5	3.5	4.5	5.1	5.2	4.2	3.2
HEATR8	2.8	5.5	3.7	2.9	3.7	4.5	3.2	4.1	2.7	2.4	1.7	3.2	5.3	3.2	2.4	2.6	3.4	6.1	2.5	4.0	2.0	3.8	3.2	3.5	3.6	3.3	2.6	4.3	3.7	4.0	5.8	1.9	3.0	4.3	3.8	3.7	6.0	2.2	5.4	3.1
HEBP1	13.8	16.3	15.5	16.1	14.2	14.4	13.6	11.3	15.3	13.6	13.2	15.8	14.0	14.4	17.4	15.4	12.4	12.0	13.0	15.0	14.5	11.0	10.6	14.2	10.7	14.9	15.4	14.0	9.7	16.8	11.5	12.2	17.0	13.7	13.0	11.6	14.2	7.9	9.5	15.2
HEBP2	31.5	34.2	33.2	34.1	43.3	32.5	29.5	31.4	29.0	35.1	35.0	36.7	34.3	40.5	27.1	33.8	37.2	36.1	34.5	27.3	50.2	33.2	33.7	24.1	20.8	27.1	43.2	32.3	22.1	42.7	36.0	35.7	34.6	33.7	39.8	32.0	39.5	36.2	35.4	26.1
HECA	8.4	6.6	5.5	5.5	9.1	5.4	7.1	8.2	7.9	7.2	6.8	5.9	8.7	8.8	5.2	7.9	10.0	7.5	9.2	8.0	6.4	6.7	7.7	5.8	7.2	8.7	9.0	7.4	4.0	6.8	5.0	6.1	15.2	10.3	9.7	7.9	10.4	6.9	9.6	8.5
HECTD1	13.6	13.0	15.3	12.8	15.0	10.4	10.1	13.7	15.2	12.0	13.5	9.6	9.7	13.4	7.6	11.1	12.9	13.7	11.2	14.4	10.3	11.1	12.1	12.0	8.9	9.6	11.2	10.5	6.3	7.7	8.6	10.4	12.9	13.2	10.5	13.7	14.5	10.7	11.3	15.2
HECTD3	5.4	5.9	4.7	6.1	6.3	5.1	4.6	4.6	6.2	4.7	4.8	4.7	5.8	6.1	8.2	5.8	4.1	5.1	5.3	6.2	6.9	6.2	5.0	5.3	4.1	5.1	7.5	6.6	5.3	5.6	5.8	5.9	6.7	6.1	5.5	6.0	5.8	5.2	5.8	6.1
HECW2	3.5	3.1	5.0	3.9	2.7	1.9	3.7	2.6	3.6	2.8	4.4	0.9	2.4	4.0	1.6	2.4	3.5	1.4	3.1	2.3	2.8	3.3	4.1	1.5	0.5	2.4	3.0	4.4	0.7	3.2	5.7	5.2	2.8	1.4	3.1	4.3	5.2	3.3	3.9	5.8
HEG1	15.6	18.3	18.4	14.0	15.3	11.2	11.2	13.8	24.5	21.2	19.4	12.8	16.0	16.6	13.5	18.1	20.8	20.3	19.5	21.8	16.4	24.9	19.9	13.6	11.2	16.8	18.7	18.7	9.5	10.5	12.4	13.2	21.4	22.4	18.3	22.9	26.2	16.4	19.2	18.0
HELZ	2.0	1.8	1.8	1.7	1.8	1.9	1.6	2.3	2.9	2.1	2.4	2.0	2.0	2.6	1.3	2.1	2.2	2.3	2.6	2.8	2.0	1.9	2.6	2.5	2.2	1.9	2.0	2.1	1.2	1.7	1.8	1.9	3.2	2.7	2.1	2.8	3.0	1.8	2.4	2.7
HEPH	4.3	4.3	2.1	1.0	10.5	5.8	4.7	5.1	9.0	4.8	4.8	5.2	5.1	9.2	10.5	9.5	7.3	6.2	6.0	9.8	4.9	7.7	7.3	6.1	5.1	6.0	8.3	4.8	5.5	7.3	2.8	7.4	6.6	9.7	7.7	7.2	6.8	10.9	8.3	5.4
HERC1	6.9	5.3	6.4	5.9	6.5	5.9	4.4	6.8	8.5	7.5	8.0	6.3	5.7	7.1	3.7	5.7	6.8	7.9	6.5	9.4	5.6	8.1	6.9	7.9	4.5	5.2	4.6	6.0	3.2	3.5	4.3	5.2	5.8	7.4	4.7	5.5	7.1	4.7	4.7	8.0
HERC2	6.6	6.8	6.4	5.3	7.6	5.4	5.3	7.1	7.0	4.6	6.2	5.6	5.0	6.2	4.6	5.9	5.4	6.5	5.1	8.3	5.6	6.2	5.7	6.4	4.0	4.5	4.9	5.5	3.6	3.3	4.3	4.7	5.6	7.1	4.1	6.6	7.1	5.2	5.9	6.6
HERC3	6.7	8.7	7.6	6.4	8.7	7.1	6.5	8.2	8.0	6.3	7.6	6.9	6.0	7.6	4.8	8.3	6.3	8.8	7.4	8.0	5.6	7.5	7.5	7.4	5.2	6.4	6.4	6.6	4.1	4.0	5.6	7.0	6.9	7.7	7.2	6.6	7.8	7.9	8.7	8.0
HERC4	5.2	4.6	3.7	4.8	5.5	4.4	3.9	4.4	5.4	5.5	4.7	4.3	6.4	7.1	4.8	4.3	5.4	5.8	4.0	6.6	6.1	4.8	5.1	5.0	3.8	4.8	3.9	5.1	4.3	4.0	5.0	5.2	6.6	6.1	5.2	5.0	6.7	5.2	5.1	5.1
HERC6	3.7	2.4	2.1	1.9	3.2	3.9	3.1	3.1	4.9	3.4	4.3	2.5	7.4	3.1	3.5	3.1	3.1	3.3	4.4	6.6	2.7	3.6	2.7	6.6	2.4	4.1	3.6	2.4	1.9	3.0	3.0	3.7	2.2	3.1	2.7	3.5	2.4	1.6	2.0	6.3
HERPUD1	22.6	23.7	18.7	26.8	23.2	25.9	29.5	24.3	27.0	20.0	29.4	27.5	29.3	27.5	32.3	33.3	18.6	25.7	20.6	33.3	24.1	28.5	23.2	27.3	24.6	33.4	26.7	31.9	19.6	31.3	25.3	29.0	56.0	32.3	24.5	24.5	31.3	18.9	35.4	28.7
HERPUD2	3.7	4.0	2.8	3.4	4.8	2.7	2.5	3.0	4.3	3.9	3.3	3.3	3.7	4.8	6.6	3.7	4.0	4.0	3.8	5.7	4.0	3.8	4.2	3.8	3.5	5.1	4.5	5.6	3.1	2.7	3.9	3.9	7.9	4.6	3.5	4.5	5.2	4.1	5.5	4.6
HES1	5.9	3.9	1.8	4.6	4.3	8.6	3.9	2.7	5.4	5.2	4.4	5.9	8.1	10.2	13.2	2.4	3.2	3.9	4.3	10.7	5.0	11.5	4.1	4.6	8.4	14.5	8.7	7.9	5.2	10.8	2.7	10.2	11.1	9.5	5.8	4.6	6.8	9.9	9.1	13.7
HES4	3.5	6.4	4.1	5.1	5.3	6.2	3.9	2.6	8.3	8.9	5.6	9.2	7.3	6.5	5.9	3.8	7.7	4.2	7.8	5.6	6.9	5.2	4.6	4.7	5.7	16.8	4.8	9.4	7.2	11.8	8.1	5.3	9.8	8.3	10.4	7.6	8.7	6.0	5.0	4.4
HEXA	10.4	10.8	9.5	12.0	18.5	12.5	8.9	8.5	14.3	12.6	15.9	13.9	15.3	14.4	20.2	9.3	17.3	14.5	12.2	18.3	16.2	13.9	14.1	13.5	8.2	13.6	13.6	13.1	11.1	13.9	10.3	9.0	20.4	15.3	9.5	12.0	14.5	10.8	12.0	14.0
HEXB	24.7	22.6	21.7	27.6	33.3	24.7	17.8	31.9	37.2	44.0	29.6	26.2	35.9	27.3	44.4	25.8	41.6	27.7	32.1	31.1	34.3	28.5	43.0	33.6	21.4	39.2	26.9	31.3	22.6	40.0	32.7	31.2	39.5	31.6	21.7	31.9	32.2	36.3	31.6	23.5
HEXDC	2.3	2.4	2.1	2.2	2.6	3.1	1.9	2.5	2.6	1.8	1.9	2.7	2.3	2.3	2.6	2.5	1.2	1.9	2.5	2.8	2.2	2.2	1.7	1.9	2.9	1.9	2.9	2.6	1.9	3.1	2.9	2.6	4.2	1.9	2.4	3.1	2.2	2.4	2.6	2.1
HEXIM1	3.7	3.8	2.7	3.7	4.3	3.4	4.1	4.1	5.1	3.0	4.4	3.6	4.1	4.7	6.7	5.4	3.9	3.7	3.3	5.4	5.0	3.6	3.4	3.5	3.4	2.9	4.7	4.0	3.7	4.6	2.8	4.2	6.8	5.7	3.0	5.6	3.2	2.9	5.5	4.2
HEY1	3.6	5.4	2.2	4.8	7.0	5.2	3.0	4.0	5.2	5.7	4.8	6.9	5.7	6.6	6.5	6.3	5.0	8.4	5.9	4.6	6.2	4.0	6.2	6.3	4.4	9.9	5.1	7.2	7.5	4.0	8.5	8.6	7.8	20.9	7.2	5.9	14.3	6.5	4.8	10.1
HEY2	27.1	12.3	12.0	13.7	9.4	8.7	17.2	4.6	8.9	14.0	15.7	8.1	12.8	11.2	4.4	22.6	8.2	5.1	11.7	5.9	10.3	16.9	8.2	7.1	3.6	8.8	13.5	11.3	1.6	13.2	9.3	7.9	5.2	2.4	15.1	7.5	9.6	5.2	11.3	18.1
HEYL	6.0	6.5	5.5	7.6	7.2	17.1	3.9	6.3	8.9	9.4	4.4	4.8	6.3	11.3	17.1	7.1	10.0	7.1	6.2	12.4	6.5	5.0	5.6	5.1	8.4	22.7	4.5	9.3	8.9	13.2	5.0	12.1	19.7	39.3	11.2	11.6	18.1	12.7	8.9	5.8
HFE2	9.6	11.4	10.8	12.3	16.8	13.1	14.0	17.2	19.1	10.8	17.5	10.7	17.8	12.8	17.5	21.5	13.8	16.8	14.3	13.6	15.6	19.5	24.6	20.1	16.5	13.4	21.4	20.7	14.6	17.4	18.5	30.0	6.6	15.4	13.7	17.7	18.7	17.5	23.7	20.9
HGS	8.7	10.0	7.8	11.4	12.7	11.2	9.2	9.1	12.5	12.4	10.6	13.2	12.1	13.6	16.1	10.8	13.9	11.1	12.3	12.0	14.3	11.5	12.4	11.3	10.1	11.3	13.2	12.2	9.5	11.7	10.4	11.7	19.2	15.1	11.5	12.0	13.5	13.4	13.3	10.4
HGSNAT	5.0	5.8	5.5	5.8	7.2	5.9	4.1	6.1	6.8	4.9	5.6	5.4	5.7	6.4	9.0	5.3	6.4	5.8	6.4	8.6	7.1	6.0	5.4	5.2	4.7	6.7	5.6	6.0	4.9	4.6	4.9	5.2	8.4	6.5	5.9	5.2	7.4	5.6	5.6	6.3
HHATL	133.1	175.3	151.7	135.7	135.1	164.5	137.4	99.3	137.2	154.0	165.6	220.7	110.5	110.2	100.6	141.7	103.8	77.6	132.6	136.8	125.8	146.4	133.2	176.6	117.1	140.1	202.9	170.5	83.1	153.3	153.4	158.7	71.3	76.9	143.8	128.2	136.8	117.8	108.9	129.2
HIAT1	5.8	6.3	5.4	6.4	8.0	6.5	5.3	6.9	8.1	6.5	6.4	5.7	7.0	9.3	9.7	7.7	8.3	6.0	6.2	9.4	7.6	6.6	6.7	6.6	5.7	9.1	7.2	7.3	6.8	7.3	5.5	8.2	12.3	9.9	6.2	7.1	9.1	6.4	8.5	6.9
HIATL1	4.7	5.1	3.8	4.4	6.3	5.0	3.7	5.4	6.3	4.7	4.9	5.0	6.9	7.0	7.7	5.4	5.2	5.1	5.0	7.9	6.7	4.8	5.3	5.2	4.4	5.9	5.0	5.4	4.8	4.1	4.1	6.2	9.3	6.3	5.3	6.1	6.5	5.3	5.5	5.5
HIBADH	27.8	31.4	35.1	32.1	33.5	33.7	31.6	26.6	27.8	23.4	28.6	28.7	32.4	29.4	22.9	32.7	24.4	32.1	25.4	30.9	29.2	30.3	29.0	31.2	25.7	22.3	28.5	32.1	19.1	25.0	24.5	30.2	18.2	26.9	32.2	29.5	28.3	24.4	29.1	36.2
HIBCH	4.3	4.2	5.4	7.8	6.4	6.7	4.9	5.6	5.2	6.5	5.0	3.3	7.3	3.3	4.7	4.0	4.8	7.4	5.1	7.0	8.0	5.2	5.2	6.3	3.7	5.8	3.8	7.0	4.8	3.1	3.1	4.0	4.5	6.5	5.9	5.7	7.2	3.4	5.8	8.3
HIC1	4.8	2.4	1.0	1.6	5.4	10.3	2.9	3.3	4.1	2.1	3.9	2.8	5.0	3.3	7.3	2.8	2.0	3.0	4.5	4.4	7.2	5.2	3.2	2.9	1.4	2.9	0.9	1.8	1.1	1.1	1.5	1.7	4.6	2.7	1.7	1.5	1.4	1.3	1.5	3.1
HIF1A	10.2	13.7	11.0	19.2	19.3	13.4	10.9	15.8	17.5	12.1	11.3	11.2	15.3	19.3	11.0	13.3	16.4	16.7	12.1	20.4	13.3	13.2	12.0	13.3	10.4	15.1	11.6	12.6	9.2	10.8	10.5	14.4	25.6	22.8	11.8	15.3	18.5	17.2	17.6	13.7
HIF1AN	5.4	5.7	5.1	5.8	4.5	4.9	4.4	6.1	7.3	6.2	6.5	5.6	6.3	7.4	5.8	6.2	5.2	6.6	5.5	6.0	5.4	6.3	6.2	6.0	4.0	4.7	6.6	7.0	4.2	4.5	4.3	5.8	5.2	7.0	5.3	6.1	6.4	6.2	5.8	6.0
HIF3A	15.5	23.4	13.9	14.2	28.5	19.5	17.8	21.0	11.7	7.2	13.0	9.9	11.2	12.8	11.7	17.8	11.4	12.1	12.2	9.1	11.0	8.0	9.8	9.7	15.9	7.7	18.5	15.5	5.9	16.7	13.2	12.0	21.7	20.3	14.4	15.9	21.1	13.1	31.0	7.5
HIGD1A	60.3	60.1	65.3	49.6	63.0	51.5	59.5	65.3	55.2	59.3	64.9	63.6	51.1	63.3	43.9	68.6	58.2	60.5	53.9	58.2	52.8	51.0	66.6	58.8	40.3	43.0	58.7	52.4	35.8	56.4	51.0	63.8	32.2	59.7	49.5	57.5	49.7	46.1	61.3	56.7
HIGD1B	6.7	6.3	4.7	5.3	5.2	6.7	5.2	8.5	6.6	5.2	6.1	7.8	4.4	5.1	2.9	3.5	4.5	4.0	7.5	3.9	5.9	5.1	6.1	6.6	4.9	3.9	6.6	6.6	4.0	11.4	7.9	5.8	4.4	3.8	7.6	4.7	7.1	3.6	7.4	5.4
HIGD2A	58.4	80.9	84.1	90.6	90.6	65.6	84.2	75.7	78.6	79.1	57.9	55.5	93.4	76.1	62.6	74.0	78.0	57.3	70.5	53.3	63.4	63.1	60.6	57.7	75.9	77.5	92.6	96.9	80.1	88.7	93.5	86.4	63.0	72.2	82.7	73.5	90.5	70.0	96.0	68.3

HINFP	2.3	2.0	1.8	2.3	2.5	1.6	1.9	2.6	2.4	2.5	2.4	3.1	2.0	2.4	2.8	2.7	1.6	2.5	2.6	2.8	3.2
HINT1	61.2	65.5	56.7	61.9	74.9	55.1	74.3	59.1	52.3	50.4	60.2	50.6	57.6	67.4	56.6	50.8	54.1	50.4	51.6	52.8	58.5
HINT2	18.9	19.3	18.0	18.1	17.6	17.8	20.4	16.0	17.1	13.3	21.6	19.2	20.2	19.8	17.9	17.6	14.4	16.4	16.0	17.3	23.6
HINT3	5.9	6.9	7.0	5.8	6.0	4.8	5.9	7.1	6.7	5.4	7.1	4.2	5.0	5.7	4.3	5.1	6.3	7.0	6.2	5.9	5.4
HIP1	2.9	3.7	2.9	3.1	3.3	3.3	2.8	3.3	4.4	3.5	3.9	2.5	3.7	4.6	4.6	3.2	4.3	3.9	3.8	5.2	4.0
HIP1R	4.2	5.1	4.8	5.8	3.9	4.2	5.3	4.0	4.5	4.3	3.3	4.5	3.3	6.4	3.6	4.2	6.0	3.7	3.7	3.5	4.6
HIPK1	7.0	5.8	6.3	5.8	5.2	4.7	3.9	7.2	10.6	8.2	6.4	4.3	5.5	6.8	3.9	6.0	8.3	7.7	6.7	8.4	5.7
HIPK2	12.5	15.6	13.8	11.1	14.9	10.6	10.6	16.8	17.2	18.6	15.2	14.9	13.3	25.9	10.4	19.9	24.4	22.1	19.7	14.1	21.4
HIPK3	24.7	18.7	21.6	15.4	16.6	15.1	16.8	24.0	26.6	12.9	17.6	6.2	5.8	13.6	2.5	10.5	18.4	16.3	20.7	21.0	10.2
HIRA	4.0	4.3	4.6	4.9	4.0	3.6	3.6	3.4	5.2	5.7	5.2	6.1	6.0	6.2	6.4	4.8	4.8	4.2	5.7	5.3	6.0
HIRIP3	5.3	6.1	4.3	5.9	5.3	5.4	4.2	5.1	6.3	4.8	4.9	6.5	7.1	5.6	7.9	4.9	5.2	5.3	5.5	7.4	4.6
HIST1H1C	51.0	24.7	40.0	35.9	35.0	62.1	62.4	33.9	15.6	23.9	34.3	25.6	41.3	78.7	21.1	64.9	31.7	17.7	21.6	20.8	25.3
HIST1H2AC	8.9	3.9	4.2	5.8	5.6	6.6	8.0	5.8	7.7	6.5	9.3	7.4	9.1	8.5	11.4	11.5	10.0	6.1	7.9	10.2	6.6
HIST1H2AK	1.5	0.5	1.6	0.0	0.4	0.0	0.4	0.2	2.1	1.1	2.7	3.7	1.0	1.3	0.9	1.6	1.4	2.8	1.7	1.7	2.5
HIST1H2BD	7.9	6.3	7.8	5.3	9.6	10.4	9.8	9.3	5.3	7.5	10.1	3.9	11.6	9.4	5.6	7.9	4.6	5.5	8.8	7.7	6.7
HIST1H2BK	2.2	2.4	1.6	2.0	4.2	2.5	3.5	2.4	3.5	4.0	3.8	2.8	3.3	4.0	7.8	6.3	4.3	2.7	4.0	4.1	3.8
HIST1H3E	1.8	0.9	2.3	1.2	2.9	2.4	1.0	1.7	1.5	2.3	2.1	2.5	1.7	0.5	1.8	3.2	1.2	2.4	2.3	1.1	2.5
HIST1H4H	1.1	0.3	0.3	0.6	1.3	2.0	0.7	1.5	1.6	1.8	0.7	1.4	3.0	1.9	2.7	3.1	0.6	1.0	0.7	0.7	0.4
HIST2H2AA3	5.2	2.8	2.2	3.5	8.4	4.2	4.8	3.3	2.3	3.8	4.5	4.9	5.7	3.7	8.3	5.3	5.9	2.4	3.6	3.6	4.8
HIST2H2AA4	5.2	2.8	2.2	3.5	8.4	4.2	4.8	3.3	2.3	3.8	4.5	4.9	5.7	3.7	8.3	5.3	5.9	2.4	3.6	3.6	4.8
HIST2H2BE	34.0	22.7	31.3	19.1	29.5	27.8	28.9	19.0	24.0	33.4	36.2	47.7	27.3	34.3	26.7	49.4	36.0	29.1	27.2	28.2	27.4
HIST3H2A	3.1	3.0	3.0	1.6	3.1	3.2	2.6	1.2	1.8	1.1	3.0	5.5	3.1	1.7	2.8	3.0	1.8	3.3	3.4	2.1	2.2
HIVEP2	4.0	2.8	3.1	3.6	3.2	2.5	1.9	3.1	5.1	6.1	4.2	2.9	3.8	4.2	2.8	5.2	6.1	5.1	4.6	5.5	4.2
HK1	52.6	60.0	57.8	104.2	66.7	41.6	48.1	79.0	65.4	49.6	56.6	60.1	54.7	89.2	69.3	74.6	61.3	71.6	63.8	79.0	54.2
HK2	1.0	4.3	2.1	1.3	2.0	3.4	2.1	3.2	1.2	2.5	2.7	2.5	1.5	3.1	0.6	2.2	2.6	2.7	2.4	1.1	3.4
HKR1	9.5	8.0	7.3	7.1	7.3	6.9	6.6	7.7	8.4	7.0	7.6	8.6	7.7	5.9	8.2	6.8	7.0	7.7	7.4	7.7	6.4
HLA-A	83.0	52.9	31.5	111.6	105.8	73.9	61.5	48.5	122.9	55.4	63.5	76.5	203.6	72.9	213.4	60.6	73.5	50.2	77.3	97.7	97.9
HLA-B	90.9	85.1	49.4	100.4	93.0	64.6	69.9	54.9	90.4	47.4	53.7	50.3	94.2	61.2	202.1	95.5	50.9	72.3	75.6	103.9	60.5
HLA-C	71.5	71.5	17.9	84.7	110.0	78.2	70.5	29.8	48.9	15.5	24.6	77.8	99.2	136.6	195.8	34.4	35.2	53.5	81.0	84.8	36.0
HLA-DMA	5.9	7.3	3.3	6.1	6.4	11.8	6.3	7.0	11.3	5.0	7.6	6.2	18.8	7.9	21.2	5.5	10.5	7.2	10.0	16.2	18.8
HLA-DMB	2.8	2.9	2.2	2.8	3.2	4.1	2.4	4.3	6.6	2.6	3.3	1.9	7.7	2.6	8.6	3.9	4.8	4.8	5.8	9.0	4.1
HLA-DPA1	25.9	6.7	20.4	25.0	15.1	32.5	4.7	12.1	46.3	23.6	31.9	17.9	100.2	12.5	87.3	19.1	50.4	34.1	11.9	50.2	28.9
HLA-DPB1	11.5	6.4	4.6	7.1	6.5	13.0	3.8	9.0	12.8	5.8	8.9	6.1	12.2	4.5	27.6	7.3	12.6	12.7	6.2	24.3	14.2
HLA-DQA1	3.7	0.0	2.4	2.6	1.3	2.8	1.4	3.2	0.1	0.0	5.6	2.1	6.7	0.0	0.4	4.0	0.1	0.1	0.1	0.3	3.1
HLA-DQB1	5.6	0.3	2.9	0.7	0.2	8.2	0.3	5.2	0.2	0.4	0.7	0.4	1.4	0.2	0.1	5.0	0.2	0.2	0.1	0.1	6.1
HLA-DRA	39.6	30.9	23.9	37.4	37.7	42.6	35.9	36.9	58.0	24.4	42.7	20.0	113.4	21.6	94.1	36.8	62.7	42.5	51.4	98.0	43.2
HLA-DRB1	30.5	7.0	4.5	12.9	8.6	6.3	4.2	5.8	7.2	6.7	14.5	10.3	14.0	2.0	19.9	10.5	7.9	7.5	9.1	12.8	36.6
HLA-DRB5	22.8	0.0	0.2	0.0	0.2	0.1	0.0	0.3	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.0	0.3	0.7	25.9
HLA-E	42.3	50.8	31.6	35.8	52.2	56.3	44.0	40.2	58.5	36.5	42.3	37.8	64.1	35.0	112.8	54.4	44.2	37.3	51.1	80.2	43.0
HLA-F	11.6	11.6	7.7	15.4	16.1	13.5	11.4	8.9	15.2	8.8	11.5	12.3	19.2	8.6	21.7	7.6	11.9	6.6	11.9	16.1	12.4
HLF	4.4	5.0	3.6	1.3	4.0	5.1	4.6	3.4	2.9	2.0	5.2	2.4	3.5	2.3	2.6	3.2	1.9	4.9	3.0	2.4	1.9
HLTF	5.1	4.8	4.8	3.3	4.6	4.8	4.1	5.8	6.7	4.9	6.7	5.2	5.2	4.4	3.9	5.5	4.6	6.8	4.9	8.0	6.4
HLX	2.0	1.5	0.7	1.9	2.4	2.0	1.7	1.2	1.4	1.8	1.3	2.7	2.6	1.5	3.2	3.6	1.3	1.3	2.2	1.2	2.9
HM13	7.9	9.9	10.7	17.0	12.0	9.6	10.8	11.5	12.8	9.6	9.7	11.2	12.2	16.3	20.0	10.7	9.7	8.3	12.0	14.7	16.4
HMBS	4.0	5.4	3.8	5.8	5.3	4.5	5.2	8.4	5.3	3.5	4.1	3.7	5.1	7.0	4.8	4.4	2.8	4.0	3.5	3.7	4.9
HMG20A	5.4	6.1	6.9	8.0	7.3	6.8	5.8	6.6	8.9	6.0	7.0	6.8	6.4	9.5	6.8	6.4	5.6	7.1	6.6	7.8	6.7
HMG20B	10.7	10.5	9.7	13.0	13.6	10.4	11.2	11.7	12.8	9.5	9.8	10.1	11.9	15.7	17.4	11.1	10.2	9.1	11.3	12.0	13.1
HMGA1	10.8	9.3	7.3	10.0	11.9	8.7	8.9	8.7	10.3	8.0	8.6	9.5	10.6	10.4	7.9	7.9	7.1	9.2	9.9	6.6	9.9
HMGB1	26.9	29.8	27.0	30.2	31.5	26.0	25.9	29.0	33.2	26.2	30.1	30.6	35.9	33.4	44.8	30.2	32.8	32.5	28.0	41.3	29.7
HMGB2	8.3	14.5	11.3	8.4	12.9	13.5	15.0	10.0	14.6	15.3	17.0	25.4	15.5	14.8	19.3	17.3	19.1	16.2	11.3	14.8	12.3
HMGCL	13.0	9.1	9.1	9.5	10.1	12.3	9.8	7.9	9.7	9.7	13.3	14.0	11.9	14.3	11.6	9.1	9.7	12.3	11.5	11.9	11.7
HMGCR	1.6	1.7	1.7	2.2	1.7	1.5	1.2	1.8	2.7	1.9	1.8	2.0	2.5	2.2	1.6	2.3	1.7	2.2	1.9	3.0	2.4
HMGCS1	4.5	4.6	4.3	4.5	3.7	3.4	3.5	4.8	6.3	3.9	4.9	4.6	4.0	5.5	4.7	5.3	4.3	4.8	3.5	6.4	4.5
HMGCS2	12.7	4.6	1.3	3.2	32.1	0.8	13.6	15.9	0.6	0.4	0.4	9.4	0.4	0.6	2.3	0.6	1.0	1.0	9.2	4.1	3.9
HMGN1	16.1	17.5	14.2	18.4	19.0	19.1	13.6	18.9	23.7	20.3	23.5	26.0	27.6	22.6	28.4	15.0	18.6	23.4	21.2	32.4	28.3
HMGN2	26.7	28.0	20.0	19.5	19.5	27.1	20.5	17.5	36.3	34.4	44.4	48.0	39.3	25.1	49.4	30.4	36.5	37.3	35.3	39.9	40.0
HMGN3	90.6	57.1	58.1	61.3	63.4	64.2	63.4	54.6	68.9	62.3	62.3	69.8	61.5	52.9	57.4	66.3	46.4	64.8	53.2	60.2	64.3
HMGN4	5.3	6.0	5.5	5.4	6.9	6.2	6.3	5.6	8.2	6.1	8.3	9.3	8.2	11.1	9.6	7.5	7.8	7.7	6.8	9.1	8.1
HMGXB3	3.0	4.0	3.8	3.8	5.3	3.9	3.2	4.2	4.7	4.0	4.6	5.2	3.7	5.1	5.5	4.4	4.5	4.0	4.0	6.5	3.9
HMOX1	2.4	1.4	2.0	2.8	8.0	2.2	2.8	2.1	7.9	1.4	1.2	1.0	4.0	1.9	4.3	2.9	3.4	3.1	2.3	4.1	5.5
HMOX2	28.0	33.4	34.1	46.1	43.8	33.5	36.3	28.5	22.0	18.3	19.0	25.8	19.4	23.0	18.9	27.5	20.2	19.0	21.9	21.2	21.3
HN1	2.4	2.4	2.6	2.8	2.8	1.9	2.6	2.3	3.0	2.4	2.5	3.9	3.3	3.2	3.4	2.4	2.9	3.1	2.9	1.8	3.8
HN1L	5.4	7.5	6.0	8.1	6.8	3.7	4.8	5.1	6.6	10.8	7.5	7.5	7.6	9.9	6.7	5.5	7.6	6.3	7.4	5.2	8.1
HNMT	1.9	1.6	1.0	1.2	2.7	2.0	1.4	2.3	3.6	2.4	2.7	1.5	4.3	3.4	7.0	2.4	2.9	3.3	2.4	7.1	4.3
HNRNPA0	9.0	9.2	8.5	9.2	11.1	7.7	8.0	8.4	12.8	9.6	10.6	11.5	10.4	12.5	17.5	10.3	10.3	10.1	10.3	13.9	10.6
HNRNPA1	105.8	120.3	104.5	134.7	133.3	95.7	104.6	92.9	112.7	97.8	113.3	128.6	123.2	114.7	168.3	119.2	118.2	103.0	114.6	135.8	129.0
HNRNPA1L2	5.7	6.4	5.3	7.0	5.1	5.0	5.6	5.4	7.1	5.9	6.0	6.1	6.1	4.3	11.2	6.6	7.9	6.3	7.2	7.9	6.3
HNRNPA2B1	104.3	108.3	103.3	108.5	103.0	87.3	99.5	101.2	107.1	98.1	105.6	104.3	109.0	97.4	109.5	94.4	84.8	104.6	99.9	121.2	98.3
HNRNPA3	17.0	18.0	15.9	18.2	16.2	14.7	15.6	16.3	21.7	19.1	17.2	16.4	21.4	20.2	24.3	17.0	17.9	21.4	20.1	26.8	19.2
HNRNPAB	17.7	24.4	22.1	27.2	24.5	17.7	19.6	21.9	23.9	24.0	18.4	22.3	23.3	28.8	27.2	23.0	23.8	18.1	19.9	23.6	23.8
HNRNPC	40.4	37.8	38.4	47.4	35.6	43.8	35.8	43.6	53.7	51.5	52.0	49.2	57.2	52.4	66.7	48.1	48.6	60.0	48.1	60.1	50.9
HNRNPD	29.1	26.5	23.8	26.5	24.0	23.6	21.3	25.1	28.6	24.0	27.8	24.6	28.8	25.8	35.0	25.3	23.0	23.7	25.5	31.0	26.9
HNRNPF	13.9	16.5	14.5	23.0	19.0	13.5	11.4	14.4	18.2	17.2	15.0	14.0	18.1	18.0	22.7	15.7	15.4	16.2	15.1	20.2	18.5
HNRNPH1	39.1	55.5	33.8	33.5	40.3	36.1	32.7	42.1	44.9	43.7	36.6	38.9	43.8	39.7	55.1	45.1	40.7	40.0	41.7	51.6	44.3
HNRNPH2	8.8	4.8	6.3	7.2	6.5	5.7	5.3	5.5	6.5	5.8	10.0	7.4	4.2	7.7	6.4	6.9	5.4	8.2	7.0	9.5	5.8
HNRNPH3	28.5	32.6	21.5	22.8	23.1	23.8	21.8	27.7	34.4	34.2	30.7	28.5	31.4	29.3	41.0	32.8	31.3	34.3	29.5	35.8	29.7
HNRNPK	60.6	72.5	55.9	65.9	68.9	65.0	55.3	66.8	79.2	67.0	77.0	72.4	76.7	81.8	90.6	73.7	72.8	74.4	71.7	83.8	77.8
HNRNPL	28.8	28.9	27.0	28.5	35.3	27.5	26.6	28.5	35.8	30.9	32.8	34.1	31.8	35.7	40.4	29.9	33.3	26.7	29.2	37.6	31.9
HNRNPM	31.0	25.4	25.3	32.3	30.0	25.1	28.3	26.4	35.6	28.8	30.2	30.9	35.8	27.0	43.6	27.1	29.6	29.2	32.1	34.4	33.5
HNRNPR	17.6	21.2	21.8	20.9	17.8	16.7	18.0	18.7	24.6	20.1	19.6	21.2	19.4	21.4	26.5	19.3	21.3	21.2	19.7	24.8	17.7
HNRNPU	26.0	24.3	20.4	20.6	21.5	21.1	20.0	20.6	24.6	22.5	22.5	21.6	23.8	22.7	28.0	20.4	23.5	24.6	21.4	26.4	22.2
HNRNPUL1	18.7	23.3	19.5	22.1	22.0	19.1	19.3	23.2	24.8	23.3	22.5	22.9	21.6	22.5	33.2	24.5	27.0	23.1	21.7	25.1	22.7
HNRNPUL2	12.5	14.6	11.7	11.4	12.4	11.2	10.6	12.7	14.1	13.8	14.8	12.8	14.2	12.5	17.4	13.4	13.7	13.5	13.0	13.8	12.1
HNRPDL	22.5	26.6	28.6	35.9	26.6	27.5	27.8	27.0	32.4	28.4	31.4	26.5	36.7	40.2	40.0	26.9	30.0	28.7	30.8	35.3	30.4
HNRPLL	4.5	3.5	3.3	4.2	4.5	3.7	3.3	3.5	5.0	4.4	4.0	3.9	3.9	4.9	4.7	3.7	3.9	4.3	4.1	5.3	4.4
HOGA1	4.4	9.9	6.5	2.9	6.7	12.3	8.8	4.5	2.3	3.4	4.4	4.0	4.1	6.6	2.7	4.0	4.4	6.3	2.4	4.0	3.5
HOMER1	7.0	8.2	7.2	4.3	7.7	6.0	5.6	7.9	8.4	5.3	6.7	4.7	5.7	7.3	3.7	6.6	5.4	8.1	6.6	6.4	5.5
HOMER2	10.2	10.9	10.5	11.5	12.3	11.0	10.6	12.0	14.3	11.6	15.6	12.1	10.0	12.6	9.9	12.3	11.7	9.0	8.3	10.6	9.7
HOMER3	1.8	2.4	2.0	3.3	3.1	2.6	2.7	2.0	3.6	2.9	1.4	3.6	3.2	3.6	5.7	3.2	3.1	2.8	3.6	3.5	3.4
HOOK2	10.4	16.3	13.5	14.4	15.8	13.7	9.1	10.0	14.0	14.7	15.6	17.0	15.1	21.2	14.3	12.3	19.0	15.6	15.2	11.2	13.7
HOPX	17.2	11.8	15.5	25.4	1.2	1.5	25.1	0.2	3.6	2.1	3.1	0.6	2.1	3.5	1.3	9.9	4.1	0.6	1.6	0.4	2.9
HOXB2	1.0	1.6	0.7	1.1	1.1	1.3	0.9	0.9	1.0	1.6	1.2	1.1	2.7	1.0	3.5	1.8	1.3	1.0	2.3	2.2	2.1
HP	3.5	4.5	7.7	8.1	0.6	1.2	14.8	4.6	5.3	1.2	2.2	2.1	2.1	1.1	2.5	3.3	1.1	3.9	5.4	0.5	3.7
HP1BP3	18.1	18.2	14.0	16.2	21.6	16.3	13.6	18.7	21.0	20.3	16.3	16.1	18.0	19.1	21.9	17.1	18.7	19.2	18.5	25.7	19.5
HPCAL1	8.6	8.1	8.1	8.7	10.7	8.6	9.2	10.9	7.9	6.5	6.8	7.6	9.5	8.6	9.5	9.6	7.3	7.9	8.4	6.9	9.4
HPR	41.7	54.1	52.4	55.1	41.7	32.6	338.6	37.9	33.2	34.0	36.7	30.6	30.0	40.2	19.7	39.6	19.7	27.3	31.1	15.2	36.6
HPRT1	5.8	6.2	6.3	8.7	6.2	6.3	6.3	5.9	8.8	8.0	8.1	11.4	9.3	7.8	8.3	8.4	7.3	8.4	7.6	7.9	8.4
HPS1	3.6	5.7	5.5	4.4	8.6	4.9	5.2	4.3	6.9	6.5	6.6	5.3	6.3	8.9	9.3	5.1	7.1	5.9	5.6	5.6	8.8
HPS4	1.9	2.2	2.1	1.8	2.3	2.7	2.2	2.1	2.9	2.4	2.5	2.6	2.6	2.8	4.1	2.4	2.5	2.3	2.4	4.0	2.9
HPS5	2.2	1.8	1.7	1.8	2.1	2.2	1.5	2.6	3.2	2.2	2.8	2.0	2.6	3.4	1.9	2.1	2.4	2.7	2.3	3.3	3.2
HPS6	1.9	2.2	2.2	2.1	2.9	2.3	2.1	1.7	2.8	2.3	3.0	3.0	3.1	3.0	3.2	2.5	2.4	2.3	2.4	2.4	3.0
HRAS	7.9	6.3	7.7	7.5	10.1	6.1	7.2	6.7	8.6	7.4	6.7	7.7	9.0	10.7	8.4	7.4	10.0	6.4	9.4	7.6	8.1
HRASLS	2.4	1.9	1.5	1.6	2.7	3.0	2.0	1.8	1.7	1.6	2.3	2.8	2.9	2.6	2.1	2.4	2.3	2.1	1.2	3.8	2.2
HRC	329.0	260.1	256.2	278.5	268.1	285.4	260.2	218.3	328.5	322.8	343.4	324.1	258.2	316.2	201.5	340.8	332.9	295.2	322.7	218.4	251.7
HRH2	4.2	6.3	2.8	9.3	4.7	3.9	5.0	5.4	5.3	2.8	2.8	2.8	3.8	4.2	3.6	2.9	6.0	2.7	2.7	4.1	2.4
HRSP12	15.0	14.7	12.9	11.8	10.4	15.6	11.7	12.5	10.4	8.8	11.9	12.7	11.9	12.3	10.1	15.2	8.6	14.1	8.2	12.9	14.2
HS1BP3	2.9	3.1	3.5	3.5	4.8	4.0	2.7	3.5	4.0	4.4	2.8	3.9	4.9	4.1	4.8	4.5	3.7	3.4	3.8	3.1	3.9
HS2ST1	2.3	1.9	2.2	1.4	2.0	1.3	1.5	2.0	2.3	2.2	2.7	1.8	1.6	2.8	1.5	1.6	3.2	2.8	2.7	3.8	1.6
HS6ST1	4.4	5.6	4.2	8.1	5.3	6.4	5.8	6.0	5.2	5.5	5.2	5.4	5.2	7.2	5.2	6.2	5.5	5.3	5.6	5.5	5.7
HSBP1	25.8	22.3	20.0	21.2	25.3	21.5	20.3	22.7	26.8	24.2	26.3	24.1	26.0	24.2	27.9	24.9	21.3	24.1	22.7	24.7	26.2
HSD11B1	1.3	0.6	0.6	4.8	3.3	2.0	0.9	1.7	3.5	0.9	1.3	1.0	2.0	2.0	5.4	0.9	6.6	1.5	0.9	4.8	1.9
HSD17B10	33.6	30.3	30.0	33.8	36.0	31.9	27.0	24.7	27.5	24.0	28.2	35.3	31.3	34.1	27.1	26.7	27.5	24.8	26.3	29.7	33.0
HSD17B11	5.6	6.2	4.3	3.3	9.3	5.6	6.4	7.9	6.8	4.6	4.0	4.1	8.9	6.7	12.7	9.4	6.0	5.4	4.0	8.4	7.6
HSD17B12	14.1	10.1	11.7	17.0	10.0	20.5	9.5	14.2	18.5	11.2	18.5	17.2	18.2	17.2	23.6	21.0	14.6	25.3	21.2	30.6	22.2
HSD17B4	46.7	36.2	40.2	46.8	40.0	37.2	44.1	46.2	36.5	31.9	35.7	32.0	42.5	37.6	29.4	41.3	34.7	40.0	32.6	39.9	40.6
HSD17B8	3.8	5.6	6.8	6.7	4.8	6.0	5.1	3.4	6.7	3.7	6.9	8.5	4.7	6.3	5.0	5.8	4.5	6.6	4.6	6.3	6.2
HSD3B7	1.4	1.0	0.7	3.3	1.7	1.4	1.7	1.8	3.4	1.0	1.8	1.4	1.8	1.4	3.6	2.0	1.1	1.4	1.9	1.8	2.8
HSDL1	5.8	5.3	5.1	4.4	4.6	3.9	4.4	4.2	4.8	5.3	6.7	5.9	5.0	6.5	4.2	4.7	4.9	5.2	5.9	4.8	5.0
HSDL2	32.0	28.7	31.4	28.0	26.5	25.2	34.1	42.1	31.3	28.3	28.5	27.2	28.4	21.6	16.9	24.6	25.7	34.7	30.2	28.9	32.8
HSF1	28.7	35.3	33.8	31.5	38.1	37.3	31.4	37.5	32.0	37.9	37.6	37.8	40.6	41.7	31.2	32.1	35.5	32.8	34.0	28.8	31.0
HSF2	7.1	7.2	6.9	5.9	9.1	7.7	7.4	6.8	7.3	6.0	8.2	6.1	8.4	8.0	5.4	8.3	6.9	6.0	5.9	4.8	6.5
HSF4	3.7	4.8	3.3	4.0	5.6	4.8	3.9	3.3	5.2	4.1	5.6	6.2	4.5	5.0	6.3	4.2	4.4	5.4	3.4	5.6	5.5
HSP90AA1	129.8	128.2	125.6	118.7	138.4	110.3	109.5	118.7	154.4	165.9	130.0	116.8	211.0	172.5	134.6	136.7	183.0	167.0	150.3	133.3	154.4
HSP90AB1	187.5	173.7	145.9	189.7	219.4	208.8	145.1	151.6	236.0	226.8	230.4	235.5	327.7	244.8	267.9	226.9	274.4	247.6	223.0	218.9	285.9
HSP90B1	70.5	63.0	55.2	94.6	58.8	51.3	74.0	72.3	83.7	76.2	59.8	60.7	82.4	106.1	80.0	73.1	66.3	72.9	61.3	82.9	82.8
HSPA12A	3.1	2.6	3.4	3.5	3.7	2.6	2.0	3.6	3.3	1.7	2.8	2.6	2.5	3.4	4.0	2.3	2.3	2.3	2.7	3.8	4.2
HSPA12B	7.7	5.8	5.6	4.7	6.9	4.9	5.2	5.2	7.6	4.4	5.6	4.8	4.5	4.0	6.8	4.9	3.9	6.6	7.3	6.2	8.3
HSPA13	2.8	3.1	4.2	3.1	3.7	2.8	2.9	3.1	4.2	3.2	2.9	3.9	2.8	4.9	3.1	3.5	3.8	4.0	3.6	5.4	4.0
HSPA14	2.8	3.6	3.5	3.8	4.2	3.4	2.6	2.4	3.5	3.4	4.0	3.5	4.3	3.0	4.1	3.2	4.0	3.0	2.9	4.2	3.1
HSPA1A	93.9	70.9	80.7	68.3	97.5	73.9	54.0	58.1	68.6	72.8	92.4	71.2	104.6	90.3	127.7	104.0	46.3	97.6	195.6	76.3	105.4
HSPA1B	37.3	24.0	20.1	46.5	37.3	29.3	20.0	22.3	56.6	43.2	36.8	35.6	42.1	41.2	68.0	44.0	33.1	35.7	110.3	37.7	50.2
HSPA2	3.7	5.8	6.1	2.3	8.9	5.1	4.3	6.0	8.0	8.5	8.6	8.2	5.5	21.0	19.9	4.2	18.6	6.1	4.8	10.8	6.7
HSPA4	18.8	21.6	20.9	17.9	20.8	17.6	16.9	24.5	26.5	27.0	21.5	18.6	24.2	29.9	18.6	22.8	28.8	26.3	22.5	21.4	24.7
HSPA4L	2.5	2.4	2.0	1.9	1.6	2.3	2.0	3.6	4.0	3.8	4.4	2.7	2.4	2.2	1.7	3.6	2.8	3.6	3.5	3.1	3.2
HSPA5	68.7	67.4	57.9	119.3	52.9	67.9	80.6	75.6	84.2	70.5	56.3	71.1	73.2	117.1	77.9	74.4	55.6	76.8	54.8	83.0	81.9
HSPA8	283.4	261.7	241.1	400.4	393.1	300.8	265.1	303.7	347.6	419.6	302.6	274.8	462.7	434.8	311.5	379.3	344.6	428.1	347.0	336.0	471.0
HSPA9	86.5	83.0	88.0	80.0	71.5	71.9	79.3	80.4	88.0	89.6	91.7	85.3	98.2	79.4	67.1	86.2	75.1	96.9	80.4	81.3	78.2
HSPB1	504.2	535.9	425.1	465.9	704.4	498.8	398.3	426.1	605.4	859.1	646.5	569.5	945.9	1043.9	747.6	749.2	858.9	684.0	905.1	445.4	998.7
HSPB11	5.1	5.4	5.1	5.1	5.1	4.6	5.0	4.7	7.0	6.2	7.6	6.5	6.1	4.8	7.7	6.0	6.5	5.1	4.9	6.0	7.2
HSPB2	36.6	59.8	33.5	31.6	50.3	38.1	35.5	32.8	31.5	18.3	34.5	39.2	32.6	53.2	49.4	23.4	45.5	32.6	23.2	38.5	33.5
HSPB3	250.3	142.8	165.7	132.2	193.7	159.2	165.7	141.7	127.4	113.0	135.4	119.2	120.2	95.5	83.7	118.8	90.8	95.7	108.8	105.4	98.9
HSPB6	333.6	373.5	469.5	352.0	465.4	302.7	352.9	385.2	735.3	973.8	839.0	762.8	919.8	896.8	541.6	1203.6	1111.9	734.3	824.2	192.6	1178.0
HSPB7	861.0	904.4	843.1	776.4	976.2	893.4	924.7	984.0	979.2	803.2	991.4	876.2	733.7	1089.1	494.9	1301.5	768.4	892.3	834.4	442.0	848.3
HSPB8	95.8	100.1	103.5	111.2	87.4	79.7	74.4	70.4	136.0	122.7	124.3	113.3	126.7	134.6	112.7	109.6	125.1	106.5	91.6	84.6	114.7
HSPBP1	6.2	5.8	5.7	7.1	8.4	6.2	5.7	6.1	8.4	6.9	7.2	8.3	9.9	8.7	8.8	6.7	6.0	6.6	8.8	6.9	6.8
HSPC157	4.8	1.4	2.9	1.2	4.0	4.1	1.4	1.7	2.2	3.5	4.0	8.5	5.2	6.1	3.7	1.7	6.2	2.4	2.1	2.4	2.4
HSPC159	1.7	3.0	2.2	2.0	2.2	1.2	1.7	2.2	3.5	2.4	2.1	2.4	2.3	3.7	3.0	2.0	2.4	2.6	2.0	3.5	2.5
HSPD1	44.6	42.8	41.2	48.9	43.2	37.5	36.3	45.6	57.5	58.4	51.2	48.1	68.2	63.1	49.4	44.6	53.7	63.1	51.8	51.4	55.1
HSPE1	38.8	32.8	34.1	41.4	35.4	25.1	35.4	34.4	38.1	37.4	39.0	31.8	44.8	34.8	32.8	36.8	36.1	39.7	38.1	37.1	38.1
HSPG2	21.5	29.3	27.4	23.6	50.1	27.2	19.0	26.5	35.0	27.1	26.8	25.5	24.8	36.7	54.6	28.9	33.9	31.5	28.5	40.1	36.8
HSPH1	10.7	9.4	9.1	10.9	12.6	9.3	8.6	11.5	13.1	15.6	9.3	8.7	13.6	12.5	10.6	12.7	12.9	15.9	12.5	13.1	15.7
HTATIP2	2.4	3.2	3.8	6.1	3.9	3.5	3.6	2.4	4.3	2.3	3.5	2.5	4.0	4.7	6.8	5.5	4.4	2.7	3.2	5.4	4.4
HTATSF1	28.7	26.1	23.8	23.5	25.9	24.7	24.8	29.1	31.8	31.7	32.2	28.7	41.0	38.5	30.2	29.3	33.5	32.8	26.0	29.8	26.4
HTR2B	0.3	0.2	0.3	0.1	0.2	0.7	0.1	0.2	0.7	1.1	0.3	0.6	1.9	1.9	5.3	0.2	1.4	1.0	0.7	3.2	0.3
HTRA1	14.3	13.0	10.8	13.3	21.8	17.5	11.0	20.0	33.6	27.0	25.5	30.8	33.5	35.6	71.8	21.0	29.4	27.7	23.2	43.4	33.7
HTRA2	3.2	3.6	3.7	5.2	3.8	4.0	3.3	3.6	4.9	3.6	4.1	3.4	5.2	5.2	6.7	4.1	3.7	4.7	3.8	5.2	4.8
HTRA3	18.2	16.6	11.9	11.8	34.9	26.9	12.8	35.7	32.8	26.3	29.9	16.4	28.8	8.8	86.6	20.9	12.9	25.3	21.5	34.1	32.4
HTT	3.3	2.6	2.6	2.8	3.6	2.9	2.0	3.6	4.1	3.0	2.9	2.9	2.7	3.7	3.1	3.4	3.1	3.9	3.3	4.2	3.8
HUS1	2.2	2.3	3.0	2.6	2.9	2.5	2.3	2.1	2.5	1.9	3.0	2.8	2.4	3.1	1.6	3.0	2.7	2.8	2.5	3.1	3.1
HUWE1	14.0	15.5	13.1	12.8	13.2	12.3	9.9	15.9	16.6	14.8	16.8	14.4	14.4	15.3	12.4	15.7	17.6	18.4	14.5	16.9	15.8
HVCN1	3.3	2.7	2.9	4.1	3.1	2.6	2.7	3.7	4.0	4.2	3.0	4.9	4.6	3.1	3.5	5.5	3.2	3.2	4.1	2.2	3.5
HYAL1	20.6	17.8	18.5	18.0	18.5	16.5	15.0	21.1	17.7	15.7	15.4	17.6	19.2	16.9	12.0	20.2	13.7	19.3	22.0	11.8	13.3
HYAL2	16.3	14.2	27.4	30.8	22.6	14.7	22.7	17.4	25.9	20.9	12.2	15.1	23.0	21.9	27.2	36.1	25.2	17.3	20.3	18.6	18.2
HYI	4.3	4.0	2.6	3.6	7.5	5.4	2.7	4.4	6.8	5.2	5.9	7.0	7.0	7.1	9.2	3.7	5.4	3.9	5.2	8.3	6.6
HYOU1	10.8	13.5	10.5	21.8	9.9	10.8	13.1	12.3	12.7	10.5	8.5	9.4	10.2	14.9	14.5	11.9	10.0	11.7	9.6	13.2	11.9
IAH1	23.1	25.8	26.4	27.9	26.5	22.5	20.3	22.4	26.3	23.4	24.7	23.8	28.6	30.1	22.9	24.3	25.7	29.0	23.1	24.1	24.5
IARS	14.7	14.8	15.8	15.9	15.5	15.4	13.1	16.4	17.8	15.4	16.9	16.5	18.3	20.8	13.1	15.7	16.5	19.2	15.0	18.3	16.6
IARS2	24.2	23.3	22.6	22.3	27.5	21.4	20.4	23.3	24.8	22.6	27.1	22.2	24.4	25.3	18.6	22.4	22.7	27.8	19.7	25.0	25.3
IBTK	9.1	8.0	9.0	6.5	7.3	7.0	5.9	8.0	7.9	6.2	8.5	6.1	6.5	7.4	4.4	6.0	7.1	8.8	8.1	9.0	6.4
ICA1	13.7	12.2	10.4	27.2	15.8	11.5	10.5	10.2	10.8	11.0	16.2	13.9	12.3	13.3	13.6	10.7	11.7	11.8	12.1	11.3	11.2
ICAM1	4.2	2.6	1.6	2.8	3.5	3.1	3.8	3.0	6.2	3.0	3.0	2.0	6.5	4.0	7.3	2.4	3.7	2.7	2.9	3.7	3.8
ICAM2	22.8	16.5	14.3	16.0	25.7	22.8	17.6	18.9	19.1	13.0	10.6	13.2	14.9	12.8	16.5	24.6	13.8	16.5	17.0	19.6	18.0
ICAM3	3.9	3.8	4.8	3.1	2.8	1.9	4.1	5.0	3.0	2.1	3.7	2.4	3.0	2.7	2.0	2.9	2.6	1.9	2.3	2.5	4.6
ICK	1.6	1.4	1.2	1.8	2.0	1.5	1.6	2.0	3.4	2.0	2.2	1.5	2.9	1.7	2.0	1.8	2.2	2.4	2.3	3.4	2.2

HINFP	2.9	2.8	2.8	2.5	2.2	2.9	3.0	2.2	3.2	2.9	2.1	3.9	3.4	3.2	2.1	3.1	2.6	3.1	2.2
HINT1	45.7	51.7	40.7	42.4	44.9	56.3	50.5	43.1	66.7	57.3	61.4	62.9	57.9	63.7	51.8	61.1	42.7	64.1	41.1
HINT2	18.9	17.2	19.0	18.2	14.0	23.1	20.9	14.8	25.7	20.1	20.8	13.5	19.6	20.8	16.4	18.9	14.5	17.0	20.4
HINT3	6.2	6.9	4.5	3.3	5.2	7.2	7.1	3.3	4.7	5.2	6.4	4.5	6.6	6.8	6.2	6.6	6.6	7.1	6.5
HIP1	4.0	3.5	3.2	1.4	4.0	3.2	3.2	1.8	1.7	2.7	3.4	7.5	5.2	2.5	4.0	4.1	3.8	4.8	3.5
HIP1R	3.4	4.5	2.9	3.1	3.5	4.7	5.7	2.4	4.4	6.5	3.9	10.0	4.9	3.1	6.1	4.5	7.7	7.6	3.3
HIPK1	5.3	5.2	5.7	3.9	6.3	5.3	4.9	2.9	3.8	4.3	5.8	9.3	9.9	5.5	6.8	8.6	5.2	5.2	7.2
HIPK2	15.5	25.1	16.3	9.9	12.4	17.7	18.6	9.1	7.2	15.2	17.0	13.9	23.9	13.3	23.2	28.6	28.2	27.0	15.7
HIPK3	11.9	13.6	11.4	13.6	11.6	16.3	10.8	2.9	3.1	9.9	11.1	21.2	23.3	16.0	29.4	22.4	12.6	18.1	23.7
HIRA	4.7	4.9	4.9	3.3	4.0	6.0	5.3	3.7	4.9	4.3	5.3	6.7	6.1	7.1	6.0	5.5	6.9	6.7	4.5
HIRIP3	4.7	6.9	6.7	6.5	5.1	7.3	6.5	6.0	7.2	5.6	6.2	5.8	7.2	5.4	5.5	6.3	5.3	5.7	5.7
HIST1H1C	28.5	18.1	23.3	15.1	16.1	32.1	22.4	23.9	75.2	31.5	64.0	21.8	20.3	24.9	33.3	21.6	24.8	17.8	32.4
HIST1H2AC	13.4	6.6	8.7	6.1	5.9	8.4	10.4	6.5	5.8	6.0	11.6	6.5	10.3	7.7	7.6	8.6	11.1	7.3	8.3
HIST1H2AK	2.7	3.6	2.2	1.9	0.8	1.3	2.0	1.1	0.2	1.1	1.7	1.1	2.4	0.8	1.0	1.4	1.0	2.1	1.8
HIST1H2BD	8.1	10.0	6.6	5.2	6.4	9.9	7.2	5.6	6.1	7.4	13.4	4.9	7.5	11.7	8.6	10.5	7.5	7.7	7.0
HIST1H2BK	1.5	2.3	4.1	2.3	3.8	3.6	3.2	3.4	2.4	1.8	6.7	8.4	4.1	3.0	3.7	2.0	2.8	3.5	3.6
HIST1H3E	1.7	1.9	3.2	1.5	1.6	4.0	1.7	1.3	0.9	1.5	1.6	0.9	2.9	1.5	3.7	4.6	1.3	3.3	3.2
HIST1H4H	1.2	0.8	1.0	0.7	1.3	0.8	2.1	1.3	1.4	1.0	3.6	0.4	2.0	2.8	1.6	3.0	2.1	1.4	1.6
HIST2H2AA3	3.1	2.9	2.9	3.1	4.8	4.9	4.2	2.9	4.2	3.4	6.9	5.7	4.8	2.8	6.7	3.7	6.2	4.0	2.7
HIST2H2AA4	3.1	2.9	2.9	3.1	4.8	4.9	4.2	2.9	4.2	3.4	6.9	5.7	4.8	2.8	6.7	3.7	6.2	4.0	2.7
HIST2H2BE	33.2	31.8	31.9	19.8	21.0	33.5	32.2	18.4	29.7	22.5	43.6	18.9	30.3	23.1	42.6	32.7	43.8	35.0	30.1
HIST3H2A	2.0	2.7	3.1	3.6	1.2	3.4	3.5	2.0	2.6	2.2	4.6	3.4	2.2	6.6	1.8	2.0	2.7	2.5	3.9
HIVEP2	4.3	4.1	3.7	3.1	4.4	3.1	3.4	2.3	1.6	3.0	3.7	5.7	5.2	4.7	4.8	5.0	3.8	3.8	4.6
HK1	71.6	66.7	74.8	48.5	55.0	51.3	59.3	48.7	60.6	37.9	69.4	44.5	87.9	47.8	63.2	63.4	60.2	59.9	56.9
HK2	1.6	1.8	1.5	0.9	2.4	1.7	2.1	0.9	1.8	1.8	2.1	3.8	2.8	1.1	2.7	2.0	2.4	2.5	0.8
HKR1	7.7	9.2	8.8	6.3	6.6	7.9	8.4	5.6	8.0	6.9	6.8	6.8	6.3	9.0	5.8	7.2	4.7	8.1	10.2
HLA-A	99.1	66.1	111.1	97.9	92.1	67.9	71.2	148.3	127.8	98.1	81.9	138.5	82.9	85.0	65.4	107.8	74.4	65.3	87.2
HLA-B	55.0	106.1	155.3	51.5	72.4	61.9	107.1	53.1	164.7	121.6	133.5	163.7	112.3	75.1	61.3	63.9	42.7	145.5	117.9
HLA-C	29.1	77.9	26.3	28.8	28.9	33.3	129.6	59.1	192.1	142.6	36.9	63.6	76.9	69.4	67.2	42.8	19.3	100.7	21.3
HLA-DMA	5.5	4.2	9.3	2.6	5.5	9.2	7.0	7.9	13.0	8.4	7.0	30.7	8.8	8.4	7.1	11.5	5.1	5.5	7.9
HLA-DMB	2.8	1.8	3.9	0.3	3.0	3.6	2.3	1.6	4.0	2.5	3.4	13.3	3.4	2.0	1.6	4.4	1.5	2.2	4.1
HLA-DPA1	15.4	7.4	8.7	4.3	34.0	46.1	22.8	24.6	34.5	28.0	34.2	155.8	48.3	6.5	16.9	59.8	18.6	12.9	7.9
HLA-DPB1	11.0	4.7	7.5	2.9	8.0	14.3	4.9	4.3	13.7	6.8	12.6	52.2	18.3	3.7	7.8	25.5	8.7	8.7	6.5
HLA-DQA1	1.7	0.3	2.7	0.0	0.2	4.5	4.2	1.2	0.1	0.0	9.3	1.4	0.1	0.0	0.1	6.1	2.7	0.4	2.3
HLA-DQB1	5.1	0.0	0.8	0.1	0.5	0.1	0.8	0.2	0.2	0.0	9.7	1.4	0.2	0.0	0.1	8.9	4.9	0.0	0.3
HLA-DRA	30.2	22.2	51.2	6.0	35.5	80.4	46.0	25.7	64.7	29.6	57.4	219.0	54.5	27.1	32.4	87.4	39.6	57.4	50.4
HLA-DRB1	2.8	5.5	11.9	1.4	8.7	16.6	13.8	4.1	8.2	6.2	15.8	23.1	8.8	4.9	4.8	39.3	2.2	8.5	8.6
HLA-DRB5	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	1.2	0.0	0.4	0.3	28.3	0.1	0.4	0.0
HLA-E	43.1	39.8	57.4	20.4	56.9	53.7	41.9	27.1	69.6	57.2	50.3	144.0	51.2	40.9	43.8	46.1	38.7	73.3	55.7
HLA-F	9.4	12.2	19.4	11.9	17.4	14.1	9.8	12.1	26.0	15.3	11.0	38.7	10.6	16.5	9.2	13.8	7.9	18.1	16.5
HLF	4.3	4.5	2.9	2.7	5.4	4.1	6.6	2.4	3.3	3.4	2.6	3.9	4.2	6.7	5.2	4.0	2.6	7.3	3.6
HLTF	7.4	6.7	6.9	3.9	5.4	4.3	5.0	3.7	4.0	4.4	5.6	4.1	6.2	4.9	5.6	5.5	4.1	4.8	7.9
HLX	1.2	1.9	1.9	2.0	2.2	1.5	1.7	1.4	2.5	2.0	2.8	5.7	1.7	0.6	1.9	1.3	1.1	1.9	2.0
HM13	10.1	10.0	9.5	8.6	11.4	8.8	11.9	11.4	14.0	8.1	13.9	19.2	14.9	9.7	10.7	12.9	12.3	11.9	10.4
HMBS	4.3	2.6	4.7	2.8	2.1	2.9	4.0	4.7	5.5	4.5	4.8	1.6	3.5	2.9	3.4	4.0	2.7	3.0	4.1
HMG20A	7.3	7.0	7.6	6.2	5.9	6.6	7.0	5.6	7.3	7.3	7.5	7.3	7.1	7.6	7.3	8.0	6.1	7.4	8.2
HMG20B	11.7	9.2	9.8	11.4	12.1	11.5	13.1	12.1	12.5	10.4	12.7	18.5	13.2	12.2	10.9	13.8	11.3	12.6	10.1
HMGA1	8.4	8.3	7.6	7.0	9.1	9.9	10.1	5.8	8.6	7.3	10.3	12.0	8.2	12.0	7.0	11.3	8.3	8.5	8.0
HMGB1	26.2	30.2	27.9	24.2	32.9	32.6	32.0	24.6	33.7	30.3	32.4	44.0	37.8	35.5	29.6	36.1	27.5	38.2	33.3
HMGB2	14.1	17.6	15.6	15.7	18.7	20.9	18.4	8.8	15.6	14.7	13.5	29.3	15.0	14.0	18.5	14.2	12.4	27.1	16.0
HMGCL	10.3	9.5	13.0	9.4	9.2	11.7	13.8	7.6	18.0	10.2	10.9	8.8	11.6	11.3	11.3	10.9	7.6	9.6	11.4
HMGCR	1.9	2.0	1.7	1.8	1.8	2.1	1.9	2.3	1.9	1.8	2.1	2.5	3.9	1.4	4.1	2.8	1.6	2.5	2.3
HMGCS1	4.2	4.7	3.9	3.2	4.3	4.3	4.5	5.6	4.0	4.5	6.0	3.6	5.6	4.6	6.3	5.7	3.2	3.7	5.3
HMGCS2	5.1	7.2	13.8	2.3	0.5	4.5	0.6	0.1	0.1	0.1	0.5	1.0	1.0	29.1	3.5	0.6	1.6	2.4	10.1
HMGN1	19.2	24.8	23.1	17.9	28.4	18.6	20.7	23.6	24.2	19.2	22.1	35.3	25.6	28.7	15.7	27.6	21.7	16.3	19.6
HMGN2	31.6	45.8	35.4	32.5	38.8	41.0	35.5	23.3	33.2	30.8	29.7	46.0	38.7	43.5	29.0	32.7	28.3	40.1	30.6
HMGN3	58.6	63.8	72.5	60.7	49.6	77.3	68.2	43.2	66.9	49.8	60.5	42.3	52.0	69.6	52.0	44.6	35.1	51.1	81.4
HMGN4	7.0	7.7	7.0	4.5	7.0	8.8	6.9	6.2	7.0	5.7	7.1	10.0	8.9	6.8	7.4	8.9	7.5	7.6	7.0
HMGXB3	4.3	4.5	4.6	2.8	4.3	4.3	4.5	3.1	3.6	3.9	4.1	6.5	4.8	3.5	4.3	4.9	4.2	4.8	4.6
HMOX1	1.1	1.1	2.4	5.5	4.6	0.8	2.9	1.5	0.9	0.5	1.6	8.6	2.3	1.1	2.1	2.4	17.7	16.5	1.6
HMOX2	17.3	16.2	22.4	26.3	17.8	29.8	19.1	14.3	24.3	18.1	21.0	19.2	22.6	27.2	23.9	29.0	18.1	26.5	20.6
HN1	1.9	2.1	2.1	1.4	2.1	2.7	2.5	2.7	2.1	2.7	4.3	5.1	3.1	2.2	3.5	2.2	3.0	2.8	1.7
HN1L	9.3	10.1	5.0	3.1	6.5	12.6	9.5	4.4	7.7	9.7	7.3	8.0	7.5	8.0	13.1	11.9	23.1	15.7	6.0
HNMT	2.5	1.7	1.8	1.5	3.3	1.8	2.5	2.5	2.1	1.4	1.8	5.9	3.4	1.4	2.9	1.9	1.3	2.3	2.5
HNRNPA0	9.0	9.0	10.1	11.5	13.1	14.8	9.2	8.4	13.7	9.9	12.0	22.2	17.1	14.8	12.7	13.8	11.2	11.9	10.6
HNRNPA1	112.7	125.2	114.2	109.2	137.1	159.5	127.6	99.5	134.2	110.6	122.2	209.0	128.0	130.8	115.1	130.6	117.0	153.2	127.0
HNRNPA1L2	4.7	7.8	5.9	7.8	9.0	9.1	7.2	5.8	6.3	6.7	8.1	11.7	8.1	7.9	6.8	5.0	5.2	8.4	7.6
HNRNPA2B1	88.1	105.7	99.7	99.5	110.7	115.8	104.9	83.4	114.9	105.0	114.3	157.3	145.6	125.8	114.0	123.9	98.7	141.6	109.9
HNRNPA3	16.1	18.7	16.1	16.2	24.5	20.0	18.1	17.5	19.8	18.7	21.5	35.4	28.3	22.3	19.3	22.8	18.8	22.6	19.7
HNRNPAB	17.1	19.2	20.7	20.8	20.6	21.3	22.2	23.1	22.7	20.1	28.1	32.0	30.9	22.5	27.2	25.2	27.9	28.9	18.8
HNRNPC	47.6	54.5	46.9	41.9	54.2	52.8	52.9	39.1	59.0	46.6	55.4	66.5	63.3	61.0	49.4	57.4	46.8	54.3	46.7
HNRNPD	22.3	28.6	27.5	23.3	34.7	29.6	25.3	23.0	28.5	25.7	29.1	42.7	31.0	29.4	23.6	26.8	22.6	30.0	27.7
HNRNPF	15.3	14.9	14.2	11.6	16.8	18.3	17.1	13.2	17.6	13.0	19.0	37.8	25.5	15.5	15.1	20.2	17.1	24.0	15.4
HNRNPH1	35.6	41.4	42.5	36.4	50.8	42.5	44.4	33.5	40.1	42.4	48.5	82.1	57.2	45.3	41.2	50.7	39.8	53.4	43.3
HNRNPH2	6.8	7.6	4.6	3.2	5.4	10.5	6.1	4.5	5.6	4.8	6.5	5.4	9.5	6.2	6.3	7.2	7.1	7.5	7.2
HNRNPH3	26.0	34.4	32.5	23.2	41.4	33.3	32.9	28.2	30.0	31.5	36.0	45.8	48.9	35.2	32.2	37.7	34.5	40.1	28.5
HNRNPK	73.9	75.8	76.1	58.0	76.9	86.9	76.7	55.4	70.1	62.3	82.9	97.6	91.0	76.4	69.9	84.9	72.9	93.0	82.4
HNRNPL	29.5	28.4	30.9	30.7	42.1	36.4	29.9	28.6	30.9	33.3	35.3	45.1	37.8	33.9	32.0	34.5	28.8	36.4	31.0
HNRNPM	28.0	31.9	29.1	24.5	29.9	34.2	29.1	27.2	32.4	27.0	35.5	39.8	39.8	38.6	32.0	32.0	31.2	39.9	32.4
HNRNPR	18.0	21.3	19.4	15.8	25.4	24.0	21.6	14.9	19.3	16.7	22.6	24.6	24.9	18.7	21.6	20.5	20.9	26.3	23.3
HNRNPU	20.7	25.4	22.2	16.7	26.7	24.1	23.9	15.9	24.6	19.6	24.6	36.0	28.6	25.4	24.2	23.8	22.2	26.3	24.0
HNRNPUL1	21.3	25.9	24.1	17.5	23.7	28.9	24.5	17.9	17.9	16.5	21.9	36.2	26.3	19.4	20.9	23.3	19.8	27.1	26.3
HNRNPUL2	10.3	14.0	13.2	10.9	15.4	17.4	14.8	11.2	12.2	11.8	14.3	16.0	16.8	13.7	13.3	13.1	12.5	15.8	13.4
HNRPDL	27.9	30.0	28.2	28.0	39.0	37.1	32.9	27.3	28.2	28.9	35.2	49.1	34.4	33.7	31.8	33.1	28.0	36.0	35.1
HNRPLL	4.6	3.9	4.2	2.9	5.3	6.2	4.6	3.5	3.0	3.2	4.2	7.8	7.4	4.1	4.2	5.1	4.2	6.1	4.4
HOGA1	2.6	3.4	4.0	2.3	2.8	6.4	3.5	3.3	3.6	2.3	3.4	3.6	7.3	1.5	7.3	2.8	6.9	7.6	1.8
HOMER1	6.6	7.8	6.5	5.3	6.0	8.1	9.1	3.5	3.4	7.7	8.8	4.6	7.5	9.8	9.8	7.8	6.6	6.5	9.1
HOMER2	11.0	10.6	10.0	9.8	9.1	13.2	16.9	7.4	13.3	11.9	17.5	6.4	10.1	11.0	14.0	13.2	11.3	12.7	12.6
HOMER3	2.7	2.4	2.3	3.5	2.6	2.4	5.0	3.1	2.8	4.0	4.9	4.2	3.8	2.4	3.0	3.0	4.7	5.7	2.5
HOOK2	14.5	11.9	14.7	9.1	14.8	12.1	19.1	12.7	16.4	17.4	15.1	9.0	15.9	10.8	13.9	18.6	14.4	13.1	12.7
HOPX	5.7	4.7	0.7	0.5	1.0	8.2	1.0	1.3	4.8	4.2	2.4	5.0	0.7	7.1	7.9	5.2	7.4	7.4	4.8
HOXB2	1.1	1.3	0.6	1.0	2.3	1.6	1.3	1.8	1.6	1.6	1.5	3.1	3.0	2.2	2.6	2.3	1.3	1.7	1.9
HP	1.8	2.3	0.4	4.9	0.7	5.9	7.7	1.0	2.3	4.4	2.5	2.3	4.0	4.9	0.9	1.8	1.5	5.1	0.5
HP1BP3	17.3	18.7	18.3	14.4	22.8	19.4	17.3	13.1	12.6	14.8	18.4	29.6	25.5	20.4	19.5	23.7	17.8	20.8	20.8
HPCAL1	7.0	7.0	7.6	6.2	6.5	11.4	8.6	5.7	9.0	8.3	7.3	13.6	9.5	9.1	7.3	11.8	9.4	8.6	6.4
HPR	31.8	27.4	15.8	35.6	22.7	56.9	47.0	7.7	40.2	43.1	27.6	22.1	25.7	33.3	43.6	42.6	26.1	65.8	23.7
HPRT1	7.9	7.9	8.2	4.9	6.4	8.2	8.1	6.8	8.7	7.6	9.4	7.7	6.5	6.4	6.6	9.2	7.4	7.2	6.3
HPS1	6.7	6.3	4.7	4.1	5.4	7.2	7.0	4.4	5.9	7.8	7.0	8.0	6.7	4.4	6.9	8.9	10.5	7.0	5.3
HPS4	2.4	2.3	2.7	2.5	2.6	2.8	2.5	2.1	3.0	2.8	2.3	4.8	2.7	1.8	1.6	2.5	2.4	1.9	2.9
HPS5	2.6	2.0	2.1	1.6	2.1	2.1	1.9	1.7	1.7	1.9	2.0	3.7	3.2	2.1	2.8	3.2	2.0	2.4	2.1
HPS6	3.1	2.1	2.6	1.9	1.8	3.3	3.0	2.1	2.3	2.2	2.5	2.0	3.2	2.3	3.2	3.3	2.7	2.5	2.3
HRAS	7.5	7.7	8.8	7.2	6.4	7.6	9.7	7.1	7.5	7.3	8.7	8.4	8.5	6.9	8.0	9.4	8.0	6.8	7.3
HRASLS	2.7	2.2	2.3	2.2	3.1	3.3	3.7	2.5	3.3	2.2	1.9	1.5	3.4	2.3	2.5	2.4	2.1	2.8	1.5
HRC	358.9	268.7	301.0	220.2	193.9	301.8	283.8	142.3	302.7	222.8	250.2	115.0	248.1	187.5	263.6	209.7	277.4	193.7	231.3
HRH2	3.4	4.8	4.1	1.8	4.5	2.6	3.4	4.0	1.7	2.7	4.9	2.3	3.2	2.5	2.0	4.8	3.3	3.4	3.7
HRSP12	10.1	9.9	11.5	10.9	8.0	13.0	11.3	5.9	10.3	10.6	10.7	7.4	11.2	9.1	12.3	10.9	6.5	11.5	9.2
HS1BP3	4.0	3.7	3.9	2.9	3.5	3.8	4.3	2.6	4.5	3.6	4.4	5.5	3.4	4.1	2.9	3.6	3.1	4.2	3.4
HS2ST1	1.9	1.9	1.8	1.6	2.4	1.5	1.9	1.8	1.7	1.9	2.0	3.4	2.7	1.7	1.9	2.9	1.6	1.3	2.2
HS6ST1	5.5	4.9	4.7	6.1	5.3	7.3	6.7	3.0	5.2	4.0	5.2	10.8	9.7	6.3	7.8	8.4	7.3	9.9	5.2
HSBP1	24.9	22.4	24.0	19.8	21.1	25.6	26.4	21.0	20.8	20.9	30.4	22.4	23.7	23.9	21.2	23.3	20.5	23.9	21.9
HSD11B1	1.3	1.8	1.4	1.5	1.9	0.9	1.5	1.5	1.9	0.5	1.2	4.2	3.1	0.5	1.5	2.8	1.4	1.4	1.2
HSD17B10	25.7	24.6	26.0	25.5	23.0	27.9	25.9	25.8	30.1	26.1	28.1	22.8	30.4	26.2	24.4	24.3	30.4	27.7	21.3
HSD17B11	4.3	4.9	4.5	4.2	8.2	5.6	5.4	4.2	7.1	6.4	5.5	18.8	8.1	4.2	7.8	6.7	4.1	10.8	5.8
HSD17B12	20.9	10.2	18.1	10.0	13.1	15.5	13.0	14.2	9.3	14.9	18.4	13.8	21.4	18.4	14.8	16.3	16.2	8.9	15.3
HSD17B4	45.5	37.7	38.3	26.8	30.5	41.7	33.1	22.3	36.7	29.6	37.4	31.2	39.2	35.1	39.8	42.3	35.3	39.5	44.9
HSD17B8	6.1	6.2	5.1	7.1	4.8	8.2	6.7	4.1	8.6	6.3	5.9	3.9	7.7	7.3	6.2	7.6	5.4	4.9	4.3
HSD3B7	2.2	1.7	1.5	1.1	1.2	1.4	2.1	1.7	1.3	1.3	1.8	2.3	1.8	0.9	1.6	0.9	0.8	1.0	1.3
HSDL1	6.2	4.8	4.4	3.0	3.8	6.7	5.1	2.7	5.5	4.2	3.9	4.2	4.2	7.7	2.9	5.2	3.8	3.1	4.9
HSDL2	29.3	36.8	30.5	18.8	21.3	34.8	31.6	11.5	15.8	19.5	26.9	16.8	30.0	38.8	33.7	32.9	24.1	32.0	40.0
HSF1	32.9	32.9	33.6	28.6	32.0	41.6	40.5	26.8	41.2	32.3	33.7	31.2	38.4	34.2	29.0	36.8	30.5	33.7	29.2
HSF2	6.0	6.8	6.4	6.3	7.3	9.3	7.6	3.3	6.4	7.6	7.2	5.8	6.3	8.1	10.4	9.7	8.1	8.6	7.6
HSF4	3.4	3.6	4.4	5.8	4.6	5.1	6.0	3.9	5.9	5.1	4.4	6.6	4.8	5.0	2.8	3.5	1.9	3.4	3.9
HSP90AA1	127.8	163.7	172.8	90.4	148.6	159.6	154.6	98.4	121.2	137.2	177.9	168.3	195.4	141.8	176.5	170.7	182.6	203.1	172.5
HSP90AB1	229.4	262.9	285.7	163.8	233.1	261.5	225.6	164.1	210.4	216.7	260.8	288.3	284.1	215.3	235.4	275.6	295.7	277.6	254.2
HSP90B1	67.0	99.2	61.1	43.6	78.0	66.8	58.1	50.5	60.9	47.9	91.5	75.5	85.4	49.4	68.5	83.6	83.3	82.4	65.5
HSPA12A	2.4	2.5	2.4	2.0	2.2	2.0	2.1	1.5	2.2	2.5	2.2	1.8	2.3	2.4	3.0	2.6	2.0	2.1	3.8
HSPA12B	6.2	4.9	5.9	2.7	4.1	5.3	5.1	2.7	5.0	8.0	5.4	7.2	4.2	5.0	4.2	6.9	4.7	4.4	5.6
HSPA13	3.4	3.3	3.6	2.1	3.3	3.5	3.7	2.0	2.3	2.5	3.3	4.5	4.9	2.6	3.6	5.3	4.5	3.3	3.8
HSPA14	3.2	3.2	2.5	2.8	2.0	2.2	3.4	1.9	2.4	3.0	3.8	3.1	3.4	3.2	2.8	4.1	2.2	3.5	3.6
HSPA1A	80.3	96.8	107.9	46.8	158.2	122.3	133.4	43.9	134.7	119.3	178.3	235.0	151.1	135.7	143.1	108.7	130.4	99.1	104.4
HSPA1B	36.4	37.6	52.9	34.5	98.0	43.1	40.9	23.4	69.9	34.4	61.6	150.3	62.9	48.9	47.7	44.5	48.3	35.5	45.1
HSPA2	13.3	7.8	8.5	4.9	6.5	16.0	9.2	9.2	9.8	18.4	22.3	12.6	15.3	2.2	20.5	5.2	48.5	13.1	4.2
HSPA4	21.4	27.5	25.5	12.5	22.1	23.6	27.3	15.4	17.6	26.9	39.2	24.3	33.2	18.2	37.2	34.3	39.8	27.7	23.3
HSPA4L	3.7	4.0	3.7	1.2	2.9	1.9	2.8	1.2	1.9	2.5	2.7	1.4	2.9	2.0	2.5	2.8	1.5	2.3	3.7
HSPA5	72.7	97.1	77.8	43.0	73.6	79.2	54.4	49.3	63.0	66.2	92.4	62.0	89.5	59.0	69.1	82.6	85.2	85.2	80.6
HSPA8	411.4	442.6	433.8	235.1	270.3	410.6	414.9	244.9	312.0	294.7	483.6	372.9	547.1	343.6	642.8	607.2	666.6	460.5	444.1
HSPA9	79.7	88.0	89.3	60.9	77.0	84.2	85.3	53.6	67.1	68.7	89.7	58.9	92.6	72.4	88.8	81.4	79.3	80.7	93.7
HSPB1	614.7	721.7	562.2	466.6	764.8	669.8	781.1	563.8	801.0	1183.3	1008.3	607.1	823.6	767.5	1267.2	764.2	1723.6	722.2	484.2
HSPB11	6.1	7.1	5.0	6.2	6.8	5.1	7.3	5.0	8.5	5.6	7.0	8.9	5.4	8.7	5.1	3.9	3.5	5.8	6.2
HSPB2	29.5	27.3	26.1	29.1	22.7	38.8	40.2	34.6	46.4	56.5	43.0	32.8	38.3	40.7	47.3	42.3	52.1	43.4	23.8
HSPB3	137.5	110.4	98.2	144.2	85.2	132.6	113.8	79.0	140.6	115.2	130.5	70.1	87.2	192.7	122.2	106.5	69.0	107.9	151.5
HSPB6	690.7	824.3	446.3	331.6	439.3	759.4	989.8	372.6	1062.7	885.8	843.9	314.1	472.3	339.7	646.8	856.6	887.1	636.2	388.3
HSPB7	835.0	839.4	922.5	608.8	565.3	1006.1	923.9	429.2	878.2	1022.0	1057.4	401.5	800.5	809.0	1241.5	1043.2	1013.1	1275.0	985.5
HSPB8	115.2	126.4	114.6	69.1	92.2	149.5	139.2	85.5	126.8	138.9	179.1	126.7	149.3	121.1	203.2	137.0	198.9	133.5	107.9
HSPBP1	7.3	7.6	7.0	6.9	5.9	8.8	8.3	6.5	8.7	8.1	8.2	7.1	9.2	6.8	6.2	7.3	6.6	6.5	5.7
HSPC157	2.0	1.6	2.6	1.7	3.2	2.5	5.6	4.9	5.0	2.7	1.6	6.5	2.4	2.5	1.3	2.6	1.9	2.4	1.7
HSPC159	2.6	2.5	2.3	1.5	2.7	1.8	2.8	2.2	2.4	2.1	2.7	2.9	2.5	1.2	2.2	1.6	2.0	1.7	1.9
HSPD1	46.4	52.0	49.0	39.9	51.5	48.2	52.4	38.9	47.7	43.1	52.6	55.5	71.2	45.7	52.5	56.6	51.6	51.8	50.4
HSPE1	35.5	38.1	39.5	28.9	36.9	40.6	37.5	26.7	35.2	46.5	51.0	36.2	39.1	40.2	36.3	35.8	32.1	39.9	41.0
HSPG2	31.7	24.3	26.3	18.1	34.5	28.3	35.4	23.4	17.2	28.8	36.6	49.9	61.0	21.5	42.7	49.1	53.0	31.9	25.1
HSPH1	11.9	13.3	14.9	7.7	15.6	10.9	13.1	8.7	10.5	10.9	20.3	23.4	35.9	14.3	19.3	21.2	30.1	15.6	13.7
HTATIP2	3.6	4.0	2.7	3.3	2.2	5.0	2.9	4.2	5.2	4.4	4.9	7.1	3.5	2.9	3.6	3.9	5.1	6.5	3.6
HTATSF1	28.5	28.8	28.2	25.7	27.1	33.0	31.9	25.8	36.8	23.7	31.2	22.8	34.7	27.8	28.7	33.6	31.9	32.9	31.8
HTR2B	0.7	0.1	0.5	0.3	1.4	0.0	0.4	1.3	0.0	0.2	0.4	1.5	0.9	0.2	0.1	0.1	0.4	0.1	0.6
HTRA1	36.1	27.3	39.0	25.2	38.2	17.8	24.9	30.2	31.1	13.6	24.0	52.6	39.4	14.2	21.0	26.2	23.4	15.9	20.0
HTRA2	3.9	3.2	3.9	3.7	3.9	4.8	4.8	4.0	4.6	3.8	4.7	6.3	5.8	5.7	4.3	4.9	3.5	4.6	4.5
HTRA3	25.3	19.3	13.4	23.9	40.6	21.3	18.4	27.4	14.8	10.0	13.1	29.8	24.5	26.1	14.4	20.4	11.9	9.7	15.2
HTT	3.2	3.1	3.5	1.8	2.6	2.4	3.2	1.9	1.8	2.4	2.7	4.1	4.0	2.7	3.4	3.9	2.6	3.1	3.2
HUS1	2.5	2.4	1.8	1.8	1.9	3.1	2.6	1.3	2.9	2.6	3.3	2.3	2.6	2.4	3.4	3.9	3.4	3.4	2.7
HUWE1	16.1	17.1	17.1	9.2	13.5	15.5	15.3	9.0	8.4	10.8	12.8	14.6	19.3	12.6	16.3	17.3	15.4	16.5	17.2
HVCN1	2.7	1.9	2.8	3.3	1.4	3.0	2.8	1.9	2.7	2.9	2.9	4.6	3.0	5.5	2.2	3.5	1.7	1.7	3.8
HYAL1	17.2	16.4	16.4	9.9	10.0	19.0	15.7	11.3	16.0	16.8	18.6	10.8	13.4	16.4	14.9	14.2	9.6	13.2	14.0
HYAL2	11.8	7.7	10.0	20.4	23.7	29.9	32.3	15.7	34.2	23.8	33.3	78.5	43.4	18.5	26.2	34.7	29.9	25.2	10.4
HYI	4.9	4.4	4.8	5.7	7.3	5.6	6.5	6.9	7.3	6.0	5.2	8.8	5.2	6.4	3.8	6.0	3.8	5.9	4.2
HYOU1	10.8	12.0	12.0	7.4	11.0	11.4	9.3	8.8	8.6	10.1	14.5	13.8	15.6	9.2	11.3	13.4	17.8	13.2	11.5
IAH1	24.0	24.0	20.9	19.3	21.7	27.6	31.7	21.5	26.6	26.1	29.7	20.1	25.8	24.5	25.6	29.8	22.2	22.8	24.1
IARS	17.2	17.1	16.9	10.3	14.2	15.8	14.8	10.5	12.7	11.0	15.9	14.3	18.0	11.7	16.0	18.6	15.0	14.1	16.4
IARS2	24.7	23.9	23.0	18.0	20.8	24.4	24.0	17.1	19.9	17.0	20.5	18.9	24.5	21.6	21.7	23.5	24.1	23.3	24.6
IBTK	7.1	8.2	6.4	4.4	5.5	7.4	7.4	3.6	5.7	6.3	7.1	6.3	8.2	7.8	8.5	10.5	6.8	6.3	9.0
ICA1	12.3	12.6	8.5	10.3	13.4	13.5	15.8	11.0	14.7	14.6	11.4	11.9	14.3	14.3	12.8	14.8	15.4	14.1	10.2
ICAM1	2.2	2.1	2.2	1.3	5.2	1.7	1.9	2.9	6.0	1.9	3.1	15.2	2.6	0.7	1.9	1.7	2.1	4.2	3.4
ICAM2	13.3	11.3	12.9	15.2	18.5	19.6	16.4	12.7	35.6	23.6	19.6	37.2	17.5	20.1	22.7	25.0	19.6	21.4	15.1
ICAM3	3.5	3.0	2.1	1.1	1.7	3.2	2.3	2.5	3.9	1.7	2.6	8.4	3.0	2.9	1.3	2.4	2.5	2.4	2.6
ICK	2.4	2.2	1.7	1.9	1.5	1.9	2.4	1.4	1.6	2.1	2.0	3.3	2.0	1.6	2.4	2.0	1.6	2.5	3.2



LEO1	3.9	2.9	2.8	4.5	3.8	2.9	3.4	3.8	4.5	3.1	3.6	3.0	4.8	3.4	5.8	3.5	3.1	4.0	3.0	4.1	3.4	3.4	3.4	3.7	2.3	3.9	4.2	4.3	3.9	4.3	2.8	4.8	5.6	4.2	2.4	4.5	4.3	5.1	3.8	3.1
LEPR	1.5	1.5	1.0	0.8	1.2	1.6	1.2	1.4	4.2	2.1	1.4	1.7	3.5	2.4	6.2	2.0	1.6	2.9	1.9	6.3	2.2	1.3	1.3	1.5	1.1	3.0	1.2	2.0	2.2	1.1	1.5	1.7	5.5	4.0	1.5	1.9	1.8	1.3	1.8	2.9
LEPRE1	1.8	2.2	2.0	2.6	3.3	2.5	2.1	2.5	3.3	2.8	2.5	2.3	4.0	4.1	5.4	2.6	2.4	2.0	2.9	3.9	5.1	2.4	2.1	2.2	2.7	4.4	2.7	3.7	3.7	2.6	2.4	3.7	6.9	3.9	2.3	2.7	4.0	3.7	2.7	2.6
LEPREL1	0.5	1.3	0.1	0.3	0.8	0.5	0.2	1.8	2.6	2.1	1.4	1.0	1.4	1.6	1.2	1.6	6.1	1.4	0.1	1.4	2.0	2.8	5.1	0.9	1.7	1.5	1.3	1.8	1.3	1.2	0.5	0.9	3.7	2.1	0.2	1.2	1.4	3.7	2.1	0.6
LEPREL2	1.9	3.5	3.2	1.5	3.7	2.3	1.2	3.5	4.6	4.1	4.0	3.8	4.2	5.2	8.0	3.6	3.7	3.0	3.8	5.5	4.2	3.5	3.9	3.2	3.0	5.3	4.3	4.2	4.6	3.3	4.0	6.9	4.2	4.7	4.3	3.7	4.3	3.1	2.1	2.9
LEPROT	7.5	7.5	6.6	7.6	9.3	7.6	7.4	8.5	8.9	6.4	6.8	6.8	8.4	9.0	11.0	7.6	6.5	6.5	7.6	9.9	8.1	7.3	7.7	6.7	5.6	8.3	8.5	7.6	5.9	6.0	7.2	8.3	11.1	8.5	6.7	7.7	8.9	5.9	8.7	8.7
LEPROTL1	13.1	8.9	7.2	9.5	11.6	9.5	8.7	12.1	12.5	12.1	11.9	12.7	12.7	13.1	11.9	11.8	11.6	13.9	13.9	13.1	15.1	10.6	16.6	14.6	5.2	11.6	9.3	13.3	6.4	7.6	10.9	11.0	11.2	8.5	7.8	6.8	12.0	6.9	9.9	12.1
LETM1	5.0	6.7	5.9	7.8	5.3	4.7	5.0	6.1	6.0	5.3	5.3	4.7	4.7	5.4	4.5	5.9	4.5	5.4	4.9	4.7	6.1	5.1	4.8	5.2	3.8	3.5	5.5	6.0	4.0	4.1	4.1	5.5	5.0	6.8	3.7	6.2	5.4	5.3	5.1	5.2
LETMD1	3.9	4.2	3.2	5.0	6.9	5.7	3.6	5.0	6.1	5.1	5.3	7.0	6.3	9.2	9.8	4.8	7.0	7.5	5.2	8.8	9.6	5.6	5.1	7.6	4.9	6.5	5.2	6.7	5.8	6.6	5.7	4.3	13.0	7.2	4.4	5.0	4.7	4.5	6.3	5.2
LGALS1	197.7	166.3	193.0	219.1	272.0	137.3	232.6	175.5	233.1	225.7	206.9	245.9	260.9	384.7	278.0	189.4	210.6	172.6	201.4	215.5	289.2	229.0	210.1	182.4	168.9	218.8	185.2	236.1	245.3	335.6	300.0	310.8	178.4	234.2	205.0	191.7	230.8	243.4	193.4	201.2
LGALS3	93.0	74.4	66.0	69.7	143.1	86.3	67.1	82.5	66.3	49.2	74.3	62.0	73.5	74.8	103.9	87.0	68.4	75.3	59.7	86.7	104.2	91.3	74.8	71.3	54.0	69.0	85.7	55.7	51.7	81.3	82.1	93.9	71.7	74.0	93.7	63.4	78.2	57.0	71.1	92.4
LGALS3BP	139.5	93.8	81.6	166.9	165.8	103.4	113.5	112.4	132.4	81.4	176.5	135.7	150.8	101.0	141.7	91.0	114.7	104.0	126.7	131.3	148.3	146.1	138.0	59.8	103.8	98.5	153.1	129.2	71.1	158.2	119.0	116.4	107.9	144.6	118.7	113.6	144.1	107.6	108.4	63.9
LGALS8	12.0	16.0	17.0	16.3	13.5	9.7	11.7	11.5	11.3	11.3	11.9	9.1	10.8	16.5	9.0	10.6	16.8	13.9	10.8	12.1	12.6	12.1	17.3	10.5	7.2	9.7	13.8	15.4	6.1	9.5	10.0	11.5	12.2	10.4	8.3	14.0	16.4	10.7	14.1	12.3
LGALS9	3.5	2.6	3.1	6.9	6.7	2.4	2.6	4.7	10.5	5.3	4.2	4.3	13.1	2.4	8.7	3.7	5.3	4.9	6.3	6.5	7.0	5.2	4.0	8.2	3.4	5.2	4.7	5.0	4.1	6.1	4.6	5.9	12.1	4.5	3.4	3.5	3.8	3.5	3.2	5.5
LGI4	3.2	4.4	2.9	2.3	4.7	5.3	2.7	2.8	3.1	2.2	2.6	3.5	5.3	2.7	7.7	2.2	1.7	3.6	2.6	2.8	5.8	2.2	3.7	2.5	3.4	3.4	4.7	3.9	3.1	3.7	5.4	2.5	7.0	4.2	5.1	2.9	4.3	3.3	5.9	2.0
LGMN	27.9	23.0	21.3	27.0	48.4	27.2	21.5	36.4	53.0	30.2	24.0	25.8	48.5	28.7	53.1	36.8	44.6	33.5	31.9	49.6	44.5	27.6	22.4	26.7	22.2	25.8	27.6	27.9	19.4	25.5	18.9	25.5	44.7	29.9	27.3	26.7	40.3	21.5	25.9	40.0
LGR4	6.9	7.2	6.7	7.0	4.9	3.0	6.0	4.6	6.3	5.0	6.4	2.1	5.5	6.4	4.4	4.9	6.2	4.3	5.6	6.1	7.7	6.5	6.1	3.0	3.4	4.5	6.7	5.4	4.1	3.0	4.6	4.4	7.1	5.2	5.0	6.0	7.4	6.1	8.1	8.2
LHFP	20.6	24.4	18.2	20.7	25.6	25.8	21.8	23.6	35.5	23.2	25.6	20.8	30.1	32.2	62.5	24.2	27.8	25.8	25.5	51.5	29.3	28.5	27.8	20.4	30.4	42.7	25.3	27.3	40.5	35.2	25.0	33.0	48.5	39.7	29.8	28.4	36.2	23.7	33.3	28.5
LHFPL2	1.8	1.6	1.7	1.4	3.4	2.0	1.3	2.7	2.9	1.8	1.4	0.9	2.4	1.9	3.2	1.6	2.9	2.1	1.9	4.2	2.8	1.6	1.5	1.3	1.7	3.5	1.8	2.1	1.1	1.5	1.2	2.6	6.1	3.7	1.8	2.1	3.5	2.6	4.2	2.0
LHPP	1.4	3.2	1.8	1.4	2.1	2.3	1.8	1.8	3.1	2.5	3.8	2.1	2.4	4.5	4.1	2.3	2.7	4.2	2.2	4.3	3.7	2.5	2.1	3.4	3.2	3.4	2.5	3.3	2.9	4.9	1.5	2.5	3.3	3.1	2.3	2.9	2.2	2.4	2.2	2.5
LHX6	2.6	0.6	0.5	0.7	1.4	0.9	0.5	0.8	1.1	1.1	1.1	0.9	2.1	0.6	2.1	0.9	1.8	2.1	2.1	1.0	3.6	1.4	1.5	0.8	0.1	0.4	0.7	0.4	0.5	0.3	0.5	0.7	3.9	0.8	0.2	0.5	1.0	0.7	0.2	0.9
LIAS	4.6	4.2	4.9	5.0	4.3	4.5	3.5	3.8	4.8	4.1	5.6	4.5	4.7	4.6	4.0	3.3	3.3	5.4	4.3	4.3	4.7	4.0	5.7	5.2	3.3	3.1	3.9	3.5	2.2	4.7	3.5	3.7	2.6	3.5	4.2	3.9	3.4	2.0	3.9	5.1
LIFR	3.7	6.9	4.3	2.8	4.4	5.0	4.6	5.9	4.4	2.3	4.1	2.5	3.3	2.4	3.8	2.8	2.4	3.2	3.7	3.3	3.7	2.9	4.0	3.1	3.6	3.7	7.1	4.0	2.3	4.5	8.2	5.3	10.1	5.6	6.7	7.6	7.2	4.8	9.1	4.8
LIG3	3.3	3.0	3.6	3.3	2.2	2.6	2.3	3.1	3.8	3.3	2.7	3.3	3.3	3.8	3.7	4.0	3.1	3.7	3.1	4.1	2.8	3.5	3.5	3.2	2.3	3.5	3.9	3.4	1.9	2.1	2.9	3.9	3.2	4.0	3.1	3.8	3.5	4.0	2.8	3.7
LIG4	4.2	3.4	3.5	3.8	3.1	1.9	2.7	3.5	3.7	3.0	3.3	2.7	3.4	4.1	2.3	3.1	2.6	3.3	3.5	5.0	3.4	3.1	2.7	2.8	2.5	2.7	2.9	3.4	2.1	2.0	3.3	3.3	2.4	3.6	3.1	3.5	4.8	2.7	2.6	3.5
LILRB5	2.5	1.4	0.8	1.1	3.1	1.8	1.3	2.6	4.8	1.7	1.7	0.6	2.6	0.6	3.9	3.3	2.7	2.6	2.9	4.1	5.5	1.5	1.0	0.8	0.3	1.4	1.3	2.1	0.3	0.7	0.3	0.8	3.1	1.7	0.7	1.3	1.1	0.8	0.9	2.7
LIMA1	6.1	6.2	6.2	5.8	10.3	7.8	5.1	6.9	13.6	7.3	7.9	6.7	13.0	11.2	17.4	6.5	10.1	8.5	10.4	16.4	13.5	10.0	6.9	7.2	7.5	15.0	6.3	8.0	11.7	8.2	8.3	10.0	21.6	11.3	6.4	8.4	10.6	7.7	7.4	7.6
LIMCH1	49.2	40.2	33.3	38.0	57.0	42.3	34.6	61.4	57.7	50.6	45.3	41.9	41.6	45.0	34.2	49.0	45.1	63.7	48.0	56.5	38.1	48.7	42.9	52.9	37.9	46.7	40.8	43.3	34.7	28.1	29.7	46.9	25.8	62.1	48.0	43.4	49.6	31.4	32.7	53.5
LIMD1	5.3	5.7	4.3	3.3	6.5	4.9	4.6	5.7	5.3	5.3	5.3	4.2	4.3	4.9	2.5	4.5	3.9	5.7	5.2	5.0	4.1	5.4	5.8	4.3	3.3	5.9	5.0	7.2	2.6	3.4	4.5	4.9	5.2	6.1	6.1	6.3	8.3	6.7	6.9	5.2
LIMK1	1.9	2.3	2.2	3.1	2.9	1.8	1.8	2.0	2.6	2.2	3.2	2.3	2.2	3.2	3.4	1.9	2.8	2.7	2.3	3.2	2.2	2.1	1.9	2.4	2.0	2.2	2.2	3.0	2.4	2.1	2.5	3.3	4.8	2.6	1.5	2.4	2.1	3.2	2.0	1.8
LIMK2	2.4	2.5	2.0	3.0	3.6	2.5	3.1	2.3	4.9	3.0	3.8	4.3	3.6	3.7	4.7	4.1	3.5	3.9	2.9	5.4	3.2	3.4	3.0	2.6	3.8	4.2	4.5	4.0	3.4	3.1	3.1	2.9	9.2	4.7	3.0	3.7	3.7	3.5	7.4	3.3
LIMS1	6.6	7.7	6.5	6.0	11.0	6.0	5.2	6.3	6.8	6.1	6.6	6.7	5.9	7.8	5.7	8.0	7.4	8.5	6.5	8.6	8.2	6.0	6.9	5.7	5.3	6.9	6.7	7.1	4.1	3.7	6.5	7.9	8.8	6.7	6.2	9.7	8.0	8.0	7.9	7.4
LIMS2	40.3	48.2	43.5	45.2	57.7	39.7	38.0	41.1	35.9	33.3	37.7	39.8	35.7	46.6	36.0	28.8	37.0	28.9	40.0	26.9	40.5	34.8	34.9	32.5	24.7	31.2	42.2	39.2	25.2	53.2	41.4	30.6	36.4	32.7	37.3	28.6	38.4	33.9	32.8	31.0
LIN37	2.0	4.4	3.3	3.9	4.5	2.5	2.7	4.0	4.2	3.3	2.9	4.0	3.4	5.0	5.4	5.0	3.9	3.1	3.1	5.8	3.9	2.9	2.5	3.5	4.3	3.4	6.8	5.0	3.9	3.9	3.7	4.2	7.0	4.7	3.6	4.7	4.2	3.2	4.7	1.8
LIN52	2.2	3.1	2.2	2.8	2.8	3.3	1.7	3.1	2.9	2.3	2.7	3.8	3.5	4.0	2.7	3.7	2.6	3.3	2.3	3.6	2.0	3.0	3.1	3.3	2.0	2.3	3.1	3.2	2.0	1.9	1.8	2.4	4.3	4.2	2.0	3.3	3.3	2.8	4.7	3.1
LIN7A	1.2	1.6	1.0	1.8	1.8	1.3	1.7	1.7	1.7	1.2	2.1	0.7	1.1	2.3	0.5	1.3	1.9	1.5	1.2	1.6	1.6	1.2	1.5	1.2	1.5	1.7	1.0	1.2	0.5	0.7	1.5	0.9	3.0	3.0	1.5	3.6	3.0	1.9	1.7	1.6
LIN7B	4.8	5.4	4.0	3.3	5.3	4.9	5.3	3.5	7.0	4.9	5.6	8.1	4.1	5.1	5.1	3.9	5.1	5.5	7.1	4.4	5.8	5.2	7.2	4.0	6.1	6.5	3.8	8.2	3.1	5.9	5.8	5.1	4.2	7.4	4.3	3.5	5.6	5.5	5.2	3.4
LIN9	5.1	4.9	4.5	4.0	3.7	3.8	3.5	3.4	4.4	3.3	4.5	4.8	4.6	6.2	3.0	3.4	4.9	4.3	4.0	4.1	4.3	5.3	5.8	5.2	2.4	3.4	4.4	5.4	2.1	3.4	3.6	3.5	1.9	2.8	3.6	2.3	4.5	2.4	4.3	6.3
LIPA	5.5	6.1	4.6	6.3	8.1	5.6	5.4	7.6	10.0	5.2	5.3	4.9	8.0	7.0	13.4	7.1	10.7	8.9	6.2	12.8	10.2	5.4	4.8	5.3	3.0	9.7	4.6	7.4	4.2	6.2	6.9	6.1	25.5	7.5	3.8	5.5	7.3	5.3	6.0	9.0
LIPE	2.4	3.6	3.4	3.0	4.0	2.2	2.5	3.2	3.5	4.1	4.5	3.7	5.4	6.2	5.1	3.3	7.6	3.9	4.4	3.6	29.9	4.3	3.6	3.8	2.3	2.5	4.4	4.1	2.6	4.6	4.5	4.4	9.7	4.2	2.3	5.7	5.3	7.3	4.5	4.1
LIPT1	1.9	3.2	2.8	2.9	2.3	2.8	1.8	2.1	2.5	2.5	2.9	1.7	2.9	3.1	3.2	2.5	2.8	1.8	2.2	4.0	2.9	2.7	2.0	2.8	1.8	2.3	3.3	3.2	1.5	2.6	2.4	2.8	2.0	2.1	2.4	2.2	2.4	1.3	2.6	3.4
LITAF	14.9	9.9	11.1	8.6	11.5	7.3	11.8	5.6	8.6	7.6	9.3	8.1	12.2	12.8	16.1	7.8	14.8	12.1	6.8	11.9	9.9	10.1	6.0	5.0	4.7	9.6	10.2	17.1	6.7	10.8	8.1	11.0	25.2	11.0	4.9	8.1	6.5	9.2	8.1	7.6
LIX1L	3.7	4.1	3.7	3.4	5.1	3.3	3.7	3.8	4.9	4.7	3.8	4.3	2.4	4.9	5.6	4.6	3.9	4.1	4.2	5.7	3.4	4.8	3.8	4.3	1.6	6.3	5.4	4.6	3.1	2.8	3.3	4.1	6.1	6.9	4.8	5.0	6.5	5.6	4.9	4.0
LLGL1	2.6	2.0	1.8	1.8	2.5	2.4	2.1	1.9	2.9	1.8	2.4	2.3	2.4	3.0	3.8	2.3	1.9	2.4	2.5	3.3	2.7	2.9	1.9	2.5	1.5	2.5	2.2	2.7	1.8	1.6	2.2	2.7	2.8	2.8	2.2	2.1	2.5	2.4	2.0	2.1
LLPH	7.3	8.2	7.8	9.4	6.8	8.4	9.2	10.0	11.5	8.6	9.1	9.9	11.2	14.3	11.1	9.9	10.7	9.6	8.1	9.1	9.8	9.2	10.3	9.0	7.6	8.8	11.9	10.8	9.8	9.8	8.0	12.8	9.4	10.8	7.7	11.1	11.4	13.7	13.0	9.5
LMAN1	12.7	12.5	13.6	13.3	13.1	11.0	11.6	14.5	14.7	12.7	13.7	12.7	10.3	12.7	8.2	12.1	12.4	15.5	12.5	17.3	12.0	12.9	13.9	14.8	7.9	11.4	10.9	12.3	6.2	8.0	8.7	12.4	11.0	14.8	9.0	12.5	14.2	10.9	11.2	15.6
LMAN1L	3.3	0.3	1.9	0.5	1.9	3.2	1.3	1.8	1.8	0.1	1.4	0.7	0.6	0.7	0.9	1.6	0.1	1.1	0.5	1.7	1.1	0.7	0.7	0.4	1.7	0.4	1.2	0.5	0.9	1.2	2.1	1.8	0.2	1.1	0.9	1.7	1.1	1.2	1.3	0.6
LMAN2	17.0	14.4	14.7	25.0	22.8	16.5	16.0	16.9	21.7	20.2	18.4	21.7	18.4	21.5	27.3	16.3	22.8	15.6	18.3	21.6	23.6	21.4	20.8	19.5	16.1	19.1	17.4	19.9	16.2	20.4	16.5	20.8	24.4	21.2	18.9	18.2	19.7	22.3	18.6	17.0
LMAN2L	5.3	5.6	3.9	5.8	6.2	5.4	3.6	5.7	7.0	6.7	6.0	8.2	8.2	7.9	6.9	6.9	5.1	7.2	6.6	6.9	6.9	6.3	7.0	7.0	4.3	5.8	7.3	7.3	4.9	7.1	7.2	6.6	4.6	7.0	5.3	6.2	8.2	7.0	7.5	5.3
LMBR1	3.9	3.6	3.5	3.8	4.4	3.6	2.9	4.2	4.0	3.2	4.4	3.2	3.8	4.5	3.9	4.0	4.5	4.4	3.6	4.6	4.0	3.9	4.2	4.0	2.6	4.0	4.3	4.0	2.5	2.5	2.7	3.3	5.8	4.8	3.8	4.0	4.9	3.9	4.6	4.8
LMBR1L	4.4	4.3	3.9	3.4	5.3	5.7	4.0	3.6	4.4	4.5	5.0	6.0	5.4	6.0	5.5	6.0	4.3	4.0	4.3	7.0	4.5	4.8	3.9	4.5	5.6	6.4	4.6	5.0	4.1	5.3	5.9	5.0	10.6	7.0	5.7	4.7	5.4	4.7	6.0	3.8
LMBRD1	16.2	14.4	13.5	13.9	13.3	12.6	11.8	13.7	16.8	13.8	13.2	12.1	16.5	14.7	18.2	14.7	10.9	13.8	13.6	15.7	14.4	12.8	13.1	12.0	10.3	15.7	12.8	13.3	9.9	13.8	13.3	15.2	16.2	14.1	14.3	12.2	15.5	9.4	14.6	14.8
LMCD1	7.5	12.7	11.1	7.7	19.6	11.0	7.4	10.0	12.6	8.5	8.6	8.9	9.2	14.3	23.7	6.6	14.0	9.7	7.4	16.0	11.8	8.6	6.4	9.9	10.5	12.8	10.4	5.3	9.2	5.9	14.7	28.9	35.5	19.5	13.9	79.5	10.2	40.1	15.6	9.1
LMF1	2.0	1.4	0.9	1.1	2.9	1.2	1.3	1.9	3.8	1.8	2.3	2.4	2.7	3.1	5.7	2.0	3.2	2.4	2.5	5.0	3.4	3.0	2.0	2.5	2.8	2.9	2.0	2.5	3.4	2.7	3.5	3.8	4.1	4.9	2.0	3.0	3.5	5.0	2.3	2.2
LMF2	6.4	7.5	6.7	7.0	11.1	9.0	6.5	7.0	10.3	7.4	8.4	8.3	9.7	9.2	14.9	8.2	8.2	7.9	9.5	8.5	11.2	8.7	7.5	8.3	7.1	9.7	7.4	9.9	9.0	11.0	8.6	10.2	16.5	10.1	8.1	7.8	9.5	7.8	9.1	8.0
LMNA	57.4	39.1	46.7	59.5	55.4	50.0	36.2	44.3	78.4	71.3	58.3	59.7	64.7	67.1	95.0	46.0	54.2	48.3	56.9	73.0	59.5	64.4	43.2	56.2	40.8	57.7	33.2	49.1	51.1	71.5	48.6	59.8	63.8	75.3	57.5	36.8	42.7	44.0	61.2	47.8
LMNB2	2.5	2.5	2.2	3.1	3.0	1.7	2.3	3.2	3.5	2.5	2.5	2.2	2.9	3.5	3.8	2.2	2.3	2.7	2.9	3.0	2.8	2.1	2.5	2.2	2.0	3.0	1.9	2.7	2.7	2.5	2.7	2.7	4.5	4.7	2.4	2.7	3.3	3.2	3.2	2.1
LMO2	2.9	2.1	1.4	2.6	2.1	2.3	2.3	2.8	4.7	3.2	3.9	2.8	4.4	2.9	8.9	1.8	3.3	2.5	2.7	3.6	3.8	2.6	2.9	2.2	1.7	2.7	1.1	2.1	2.7	1.6	2.9	2.0	6.6	2.5	1.3	1.8	2.4	1.2	2.2	3.3
LMO3	0.3	0.5	0.5	0.7	0.8	0.4	1.1	1.0	1.2	0.3	0.7	0.2	3.7	1.3	4.3	0.9	0.5	0.5	0.3	2.2	1.7	0.8	1.2	0.3	1.3	1.0	1.4	1.3	1.2	0.9	1.3	0.8	7.2	0.7	0.3	1.0	2.6	0.6	2.9	0.9
LMO4	3.5	3.0	1.9	3.7	4.6	3.0	3.1	2.8	3.7	2.6	3.3	3.0	4.2	5.2	7.4	2.9	3.8	2.8	3.3	6.4	4.1	3.1	3.0	2.6	3.0	3.7	3.2	3.3	3.3	3.2	2.5	2.8	6.0	3.8	2.7	3.4	4.4	4.0	4.7	3.4
LMO7	52.8	59.6	42.8	33.9	43.2	38.6	31.1	46.4	45.3	50.3	42.8	39.7	39.6	44.3	24.4	38.7	46.3	48.4	45.5	40.7	35.9	49.8	60.6	49.3	34.2	39.2	59.0	54.0	22.9	31.1	43.8	47.1	27.9	48.8	52.0	60.9	56.8	51.7	51.9	57.2
LMOD1	4.7	5.8	4.0	4.1	10.3	7.2	4.6	6.4	7.8	3.1	5.6	4.4	6.8	9.1	39.8	9.5	7.1	7.1	6.8	14.5	11.2	7.7	6.1	6.1	10.7	6.2	7.3	4.6	7.9	5.6	5.0	6.7	20.2	15.4	5.4	6.9	5.1	8.9	19.2	6.4
LMOD2	187.5	226.8	215.7	74.4	495.9	302.1	251.1	158.8	308.6	383.8	350.2	301.1	369.7	357.3	333.2	483.7	492.2	440.5	355.1	202.5	304.6	283.1	406.8	263.3	413.2	514.3	1058.1	721.6	182.4	510.9	406.1	537.6	892.4	517.7	651.1	989.4	691.0	454.3	648.2	384.3
LMOD3	32.8	35.8	31.8	24.0	39.5	32.6	25.0	38.4	30.1	26.7	37.1	31.2	26.0	27.4	13.6	27.9	27.4	37.1	30.3	26.7	23.7	31.2	42.6	37.6	17.8	20.6	32.9	31.9	14.5	22.9	27.7	28.6	11.7	27.1	29.7	29.3	26.8	21.1	30.3	44.5
LMTK2	5.6	4.7	5.3	3.6	5.4	4.0	4.5	5.5	6.0	7.6	6.1	5.5	4.6	5.4	4.5	6.8	7.3	7.0	6.8	6.1	5.5	5.7	8.0	6.3	3.7	4.8	8.0	7.2	2.7	2.6	4.4	6.0	5.2	6.3	5.7	6.6	5.7	4.9	6.0	6.2
LNP1	1.3	1.2	1.0	1.5	1.6	1.9	1.6	2.0	1.8	1.2	2.1	2.1	1.6	2.7	3.3	1.7	1.2	1.9	2.0	3.7	2.0	1.7	2.1	1.9	1.5	1.8	1.4	2.4	1.5	1.8	1.0	1.3	1.0	1.7	1.9	1.0	1.9	0.8	1.2	1.4
LNX1	1.1	2.7	1.7	1.7	2.4	2.0	2.6	2.0	1.6	0.8	1.4	1.1	1.0	1.0	1.6	1.5	0.9	1.3	1.5	2.2	1.8	1.6	1.9	1.6	1.2	1.2	3.4	1.8	0.9	3.7	1.7	1.9	3.5	1.8	1.4	4.0	2.5	2.8	6.0	2.6
LNX2	2.1	3.2	2.7	2.5	2.6	2.1	1.8	2.5	3.3	2.6	3.0	2.7	2.5	4.0	2.3	2.3	3.7	3.4	3.0	3.4	3.1	3.3	3.5	3.2	1.4	3.2	3.2	3.5	1.4	1.5	2.3	2.3	3.3	3.2	2.7	3.1	3.7	2.2	3.0	3.5
LOC100049076	4.5	2.2	1.0	0.4	1.7	0.0	0.6	2.9	1.9	2.0	0.6	1.4	1.0	2.1	0.8	1.2	0.7	1.0	2.4	3.4	0.1	1.1	1.0	1.1	2.4	3.0	2.1	1.8	0.2	1.4	1.4	1.7	2.8	1.3	4.1	6.6	0.4	0.8	1.1	1.1
LOC100127983	19.7	19.7	20.5	18.5	30.5	15.9	17.4	19.9	8.7	13.1	13.8	13.6	12.7	21.8	12.8	14.7	22.5	11.8	9.7	15.1	17.4	11.0	12.7	14.0	8.1	11.8	20.5	9.5	7.1	10.2	12.1	11.4	17.3	19.0	13.1	18.3	18.0	14.0	22.2	19.1
LOC100129361	12.1	9.9	8.8	9.1	12.9	8.9	10.0	11.0	12.4	8.3	9.7	12.9	14.2	13.8	10.2	16.2	15.0	9.4	8.6	10.8	8.9	10.7	12.2	11.0	10.2	7.3	8.6	9.7	8.4	11.7	11.0	16.4	9.5	10.1	7.7	10.6	8.6	14.1	11.0	10.2
LOC100129480	0.1	0.2	0.4	0.1	0.3	0.3	0.2	0.1	0.5	0.8	1.3	1.2	1.5	0.7	0.6	0.5	0.6	1.6	2.4	0.2	0.9	0.5	1.8	0.6	0.1	0.8	4.2	3.9	0.1	1.9	3.5	1.3	0.3	0.6	1.9	1.0	1.6	1.1	1.9	0.3
LOC100130705	0.1	0.5	0.3	0.1	0.3	0.3	0.1	0.1	0.4	0.3	0.4	0.4	0.4	0.9	0.7	0.2	1.7	0.3	0.1	0.2	0.4	0.2	0.4	0.2	0.8	0.7	1.2	0.6	0.2	2.8	1.3	1.1	8.2	3.1	1.8	1.7	1.4	10.1	4.4	0.2
LOC100130827	0.9	1.9	2.0	1.1	8.1	4.6	1.0	2.2	1.1	0.2	0.4	1.3	0.6	1.0	1.7	1.4	1.2	0.6	0.1	2.4	0.4	0.8	0.3	3.9	3.9	0.4	2.0	2.1	1.5	1.4	1.3	2.2	0.8	4.9	1.7	2.4	2.4	2.6	3.4	1.0
LOC100131199	11.1	6.4	5.1	4.4	8.7	8.2	7.2	9.8	5.8	4.1	6.2	4.1	3.7	2.9	2.0	6.3	2.0	3.9	5.8	5.4	3.7	4.5	2.2	5.1	7.0	2.8	6.0	3.1	2.6	3.4	3.1	3.3	2.9	5.6	10.4	4.4	6.8	2.7	3.2	9.8
LOC100131801	45.3	41.3	42.3	42.4	32.0	28.3	46.1	45.9	40.6	33.8	39.9	37.9	26.3	21.4	35.1	42.5	29.8	36.4	41.6	43.6	25.6	24.1	44.9	36.4	37.9	26.1	37.8	37.9	29.5	29.5	54.2	47.4	31.1	36.2	62.3	39.0	27.9	20.2	40.3	48.0
LOC100132247	10.1	22.7	12.3	14.6	23.8	20.5	13.5	17.7	17.1	14.3	15.1	17.4	20.7	20.9	28.1	17.4	20.3	16.4	23.0	24.9	14.7	14.5	18.7	19.0	17.3	26.8	21.2	18.8	20.3	20.2	22.9	19.8	44.9	22.5	27.9	20.8	17.1	22.0	26.1	17.8
LOC100132288	6.5	5.1	1.8	3.2	4.9	6.6	3.1	3.4	3.9	6.1	4.1	4.1	7.1	2.9	4.4	4.6	2.9	7.9	5.7	5.3	7.8	0.5	2.0	2.1	3.9	5.1	3.2	10.2	6.0	4.5	3.8	3.4	4.8	8.0	2.8	2.8	5.3	1.0	2.4	2.5
LOC100270710	0.9	1.1	2.6	3.1	1.7	2.4	1.3	1.3	3.3	2.3	1.9	1.3	3.4	3.8	6.9	1.0	5.6	0.5	2.7	4.5	2.2	2.4	3.0	2.1	3.2	2.9	1.8	2.6	3.2	2.9	1.5	4.3	1.7	0.8	0.7	0.7	1.5	0.1	1.2	1.6
LOC100302650	0.8	0.1	0.1	0.3	0.1	0.2	0.7	0.1	0.2	0.9	0.0	0.2	0.5	0.1	0.4	2.2	0.3	0.2	0.4	2.4	0.1	0.0	0.1	0.1	2.2	1.4	0.8	0.5	0.0	5.6	0.3	0.9	21.5	1.0	5.5	0.6	0.7	0.7	0.9	0.9
LOC100306951	3.8	6.0	4.2	4.3	4.0	6.9	4.8	6.4	7.3	6.1	5.6	7.4	5.2	9.7	8.1	4.5	6.7	6.7	7.7	7.5	6.0	6.5	4.4	6.3	6.1	6.4	6.9	6.5	3.1	5.9	5.6	3.4	5.3	5.4	6.3	5.0	5.6	4.0	4.2	5.3
LOC100329108	16.8	17.8	19.7	19.4	17.2	19.3	15.8	17.5	12.9	13.9	22.2	16.3	16.7	14.8	15.0	16.1	12.4	17.9	14.0	17.5	19.4	19.0	15.4	14.9	9.5	10.5	15.6	18.5	9.4	18.9	16.3	17.5	10.8	15.9	15.9	18.1	16.0	13.4	14.8	21.6
LOC100329109	10.7	14.1	11.9	12.4	10.5	12.0	12.0	16.5	14.5	14.8	11.7	17.8	11.2	9.4	10.9	12.7	8.5	14.9	8.8	14.1	9.9	13.0	14.5	15.5	10.2	11.7	13.1	19.7	8.0	9.3	8.9	13.8	5.7	14.6	11.8	11.7	13.3	7.5	14.1	15.4
LOC100505503	138.2	150.1	122.4	164.6	153.3	114.5	138.0	147.4	151.2	141.8	151.2	150.0	111.7	144.8	215.6	125.5	155.6	151.8	146.2	169.6	166.2	107.1	157.4	137.7	144.1	164.4	158.6	164.6	97.1	146.5	140.7	145.6	300.2	153.4	157.4	136.8	124.4	118.7	148.6	143.4
LOC100506144	3.6	3.0	2.7	2.6	4.1	3.5	2.6	2.9	3.9	3.7	3.2	3.8	5.5	3.5	9.2	3.2	3.8	3.2	3.4	7.0	4.2	3.9	3.8	4.7	2.7	5.5	2.1	3.2	4.5	4.5	3.8	2.3	8.1	5.4	2.6	2.0	4.6	2.8	4.1	3.2
LOC144438	2.4	2.8	2.6	2.2	3.2	2.7	2.3	2.8	3.3	2.7	2.7	2.5	3.1	4.0	2.9	3.1	2.8	3.0	3.0	3.6	3.2	3.0	3.1	2.4	2.9	3.3	3.2	3.4	2.0	2.8	2.9	3.3	5.6	4.5	3.4	3.7	4.4	2.4	4.3	3.1
LOC151162	12.0	11.0	10.2	11.5	12.9	11.8	10.9	15.6	16.0	11.7	18.2	14.1	11.8	13.7	9.7	10.8	11.3	13.2	14.4	15.0	13.9	15.8	16.8	16.3	12.3	10.1	13.4	13.6	5.8	13.7	11.0	9.3	10.6	11.3	18.6	10.4	14.9	8.4	11.6	16.1
LOC162632	0.2	0.2	0.0	3.9	5.0	2.1	3.7	0.2	4.9	3.6	8.2	5.1	2.9	3.6	4.2	0.1	0.0	0.8	0.9	6.4	3.0	0.8	0.3	2.9	2.7	6.0	6.7	2.8	3.0	4.0	4.4	0.1	0.3	0.6	0.6	3.6	2.9	0.9	0.1	2.6
LOC220594	1.8	2.3	1.5	2.1	1.7	0.8	0.1	2.5	2.0	1.8	0.2	1.7	0.3	1.4	1.9	1.9	1.6	4.6	3.1	2.6	1.3	3.3	2.8	1.6	1.9	2.2	0.4	1.2	0.1	1.4	1.8	1.9	3.0	4.4	3.7	1.8	1.0	3.2	2.7	1.5
LOC25845	3.9	4.3	3.2	3.8	4.7	3.2	3.4	3.8	4.5	2.9	4.6	6.0	4.4	3.5	5.7	3.9	4.2	3.4	3.5	4.4	3.9	4.3	3.7	4.1	4.2	3.1	5.3	4.3	3.1	3.3	3.3	2.6	3.5	3.4	4.3	3.4	2.9	2.2	3.6	3.6
LOC285830	0.9	2.9	1.0	1.9	3.9	3.0	1.8	1.1	1.8	0.6	3.0	3.7	1.6	2.5	4.8	0.7	1.6	2.3	2.4	2.4	0.4	0.8	1.3	1.7	1.5	0.6	2.1	1.4	0.9	2.1	2.5	0.8	1.6	2.6	3.2	1.0	1.1	0.3	2.3	1.3
LOC388588	1.3	1.7	1.2	2.1	2.8	1.4	1.3	1.3	0.7	0.8	1.1	1.5	2.0	5.2	1.4	2.3	1.2	2.2	1.8	1.5	0.5	1.0	0.9	0.7	0.9	0.7	2.0	0.7	2.0	1.2	1.9	0.8	1.3	3.7	2.1	2.6	1.6	2.6	1.1	1.1
LOC388789	18.6	20.7	22.4	20.3	15.6	14.9	22.7	18.0	19.3	16.7	22.9	16.1	17.8	15.3	19.2	18.2	12.6	16.2	15.1	13.8	15.1	14.8	16.9	18.0	21.5	15.0	22.0	17.5	11.7	21.4	19.7	18.9	16.9	17.7	17.5	16.7	18.4	13.7	20.1	19.8
LOC389333	9.9	9.4	6.0	5.9	7.8	11.4	6.7	11.5	7.3	6.4	7.3	5.4	5.9	7.2	3.7	5.0	4.1	4.6	4.8	4.0	6.2	7.0	5.6	6.5	2.7	3.8	7.8	8.9	3.7	5.5	6.5	7.4	1.9	4.9	4.9	8.3	4.6	7.2	7.5	9.1
LOC440104	1.6	2.4	2.8	1.3	2.9	3.0	2.0	2.0	3.2	2.5	3.3	3.5	3.4	2.1	4.3	2.3	2.1	3.6	2.6	4.4	3.3	2.6	2.3	2.9	3.2	3.5	4.3	3.1	2.6	2.9	2.9	2.1	5.8	3.7	2.4	3.7	4.2	2.5	3.7	2.5
LOC440926	63.0	62.9	61.2	81.4	73.8	60.4	64.8	62.4	80.8	62.4	83.2	77.8	83.5	74.1	89.8	68.0	68.3	66.7	68.5	82.7	74.0	65.2	71.9	66.6	51.5	68.8	73.7	81.6	50.4	85.8	73.4	82.3	101.2	80.7	77.5	64.2	90.6	59.4	85.7	69.5
LOC644538	1.6	2.1	1.6	2.7	2.6	2.2	2.0	2.2	3.0	1.6	2.0	2.2	2.3	2.7	4.9	1.5	3.6	2.9	1.8	3.0	3.0	1.7	2.4	1.9	1.7	1.9	3.1	3.4	1.7	2.4	2.5	2.1	2.8	1.9	1.7	2.9	2.2	1.8	2.0	1.6
LOC653566	7.5	7.0	6.2	6.6	5.8	5.1	5.6	7.2	8.0	7.4	6.2	6.3	7.1	7.4	8.4	6.5	5.1	7.1	5.3	8.2	7.4	5.4	7.4	6.1	4.7	6.7	7.3	7.0	5.0	6.3	6.2	7.1	9.1	8.8	6.8	6.3	7.8	4.9	7.5	7.6
LOC728066	0.8	1.8	2.5	2.0	2.6	1.8	2.0	2.6	2.6	2.0	2.8	1.2	0.8	3.9	1.7	2.6	1.4	0.9	2.5	2.4	4.0	2.5	3.5	1.8	2.4	2.4	1.7	2.5	0.7	1.4	1.9	2.1	4.4	3.7	2.3	3.3	2.2	2.7	4.4	3.1
LOC728392	1.8	1.3	0.5	0.8	1.3	2.7	1.0	1.4	2.2	1.8	2.2	2.6	2.2	1.9	6.7	1.9	1.5	1.7	2.4	4.4	3.5	2.1	1.6	2.2	1.9	3.2	1.2	2.8	2.2	2.9	1.7	2.0	4.6	3.0	1.7	1.7	2.1	2.2	2.3	1.8
LOC728855	1.5	0.9	0.7	0.7	1.1	1.1	0.8	1.3	1.5	0.7	1.5	1.4	2.1	1.4	4.2	1.8	1.1	0.8	1.9	2.1	1.8	1.6	1.5	1.2	0.9	2.3	0.6	1.7	1.3	0.9	1.4	1.7	4.3	1.7	1.0	0.8	0.3	1.2	1.4	1.4
LOC729082	2.9	4.2	3.3	3.0	2.9	1.8	1.5	3.2	5.0	3.5	3.3	2.0	1.9	3.0	1.3	2.2	3.6	4.3	4.2	5.1	2.2	2.4	3.1	3.4	1.9	4.2	2.2	2.7	1.0	0.7	2.0	2.5	3.4	5.5	2.5	3.1	4.9	1.2	2.6	4.1
LOC729234	3.3	3.8	4.8	3.5	3.7	4.4	2.9	2.6	4.1	4.9	6.4	4.2	5.1	4.3	3.2	5.6	3.7	4.7	3.6	4.4	4.7	3.2	4.8	5.0	3.3	2.5	2.0	6.4	3.0	3.5	3.2	3.2	3.1	4.0	1.8	2.4	3.9	1.4	3.6	3.4
LOC80154	1.0	1.7	0.6	2.3	0.8	0.8	0.5	1.5	1.8	1.6	2.6	0.9	1.9	1.0	1.5	1.3	0.8	0.8	1.2	3.9	0.9	1.3	0.9	1.4	1.6	2.1	1.6	1.9	0.5	0.8	2.0	0.6	0.9	1.2	0.9	3.3	1.1	1.5	1.1	1.2
LOC91316	2.2	2.5	2.4	2.3	2.8	2.3	2.2	2.1	3.2	2.5	1.9	2.0	1.7	2.1	4.0	1.7	1.5	1.7	2.9	2.5	3.0	2.5	2.3	2.4	2.2	2.8	2.1	2.8	1.9	2.3	3.0	2.3	4.0	2.3	2.7	1.8	2.8	1.5	2.7	2.6
LONP1	22.4	22.0	20.4	21.4	24.6	24.2	21.4	25.6	26.8	23.7	24.3	26.4	24.3	23.8	19.8	22.9	21.7	25.1	20.3	22.7	24.0	22.1	22.8	26.1	23.7	20.1	23.5	27.4	18.1	23.4	22.2	26.2	15.7	27.3	24.4	25.0	22.6	24.1	21.5	22.8
LONP2	9.3	8.5	9.0	7.9	7.6	7.7	7.8	11.2	10.7	9.4	10.6	7.9	7.6	9.3	5.6	10.0	9.4	11.1	9.5	10.6	9.2	9.6	10.3	9.5	5.2	7.5	7.3	9.3	4.6	4.3	6.8	9.4	8.1	8.9	7.0	9.2	11.0	6.5	6.9	9.7
LONRF1	1.5	2.2	2.2	2.2	3.4	2.1	1.6	2.0	2.6	2.7	2.0	2.1	2.3	2.7	3.0	2.4	2.7	2.3	2.1	2.4	2.1	2.1	1.8	1.5	4.6	5.0	3.5	3.7	2.5	3.7	2.4	3.3	7.8	6.1	4.1	4.0	4.1	3.7	3.6	2.1
LOX	1.5	0.8	0.8	1.0	2.7	1.1	0.8	1.6	2.4	1.9	1.6	1.4	2.7	3.8	4.5	1.3	1.6	2.3	1.6	6.7	6.3	1.3	1.4	1.3	1.3	5.1	0.8	1.4	1.8	1.1	0.3	2.1	8.8	3.4	1.2	1.6	2.1	2.1	1.9	0.8
LOXL1	3.8	3.5	3.1	4.4	7.4	4.8	2.6	5.2	10.4	9.3	7.7	9.0	11.8	22.3	29.5	8.5	12.7	8.6	8.7	21.7	15.0	10.9	8.1	8.8	7.5	15.1	2.8	10.0	15.2	9.4	3.0	18.1	8.2	17.3	4.2	9.5	9.0	12.9	2.6	5.8
LOXL2	1.2	1.2	0.8	1.6	2.2	1.3	1.4	1.0	2.7	2.7	1.6	1.8	2.0	3.8	3.8	1.7	3.2	2.0	2.2	2.9	4.0	1.7	2.8	1.3	1.1	3.9	0.8	2.2	3.1	0.7	1.9	5.3	3.8	3.0	1.1	1.7	3.2	2.7	1.6	0.9
LPAR1	1.5	2.5	2.5	2.2	4.8	2.3	2.6	3.7	3.4	2.1	1.9	0.7	3.2	2.6	6.7	2.8	2.1	2.3	2.6	6.5	3.5	2.6	1.8	1.4	2.7	4.7	3.2	3.0	3.7	1.4	1.2	2.9	6.8	4.3	2.0	4.3	3.4	3.9	3.9	2.8
LPAR3	3.2	3.3	1.6	2.8	3.0	2.4	2.5	2.2	2.5	1.1	2.2	1.3	1.5	1.0	0.9	1.9	0.6	1.7	2.6	2.1	1.8	0.9	1.3	1.1	1.0	1.8	2.7	1.3	0.9	0.9	1.6	1.9	0.8	1.7	2.6	2.6	2.4	2.8	1.3	2.1
LPAR6	3.8	4.3	2.7	4.2	4.0	5.9	3.9	4.1	6.0	3.0	4.4	4.2	9.7	4.4	9.5	2.5	3.9	3.7	3.6	6.9	4.9	4.0	4.8	5.6	1.3	4.7	1.8	2.7	2.7	4.2	3.2	3.6	8.1	3.4	2.0	2.8	5.3	2.9	4.4	7.8
LPCAT1	2.8	2.6	1.8	3.9	3.6	2.7	2.0	2.4	4.5	3.1	2.8	2.1	3.9	4.0	5.8	3.8	3.5	3.2	3.1	4.9	4.8	3.1	2.7	2.8	2.1	3.1	2.0	3.4	3.3	2.9	2.3	3.5	8.5	5.0	2.4	2.4	3.5	3.3	3.3	2.6
LPCAT3	10.6	8.0	9.5	16.9	9.8	6.8	7.6	8.1	9.0	7.5	7.7	8.0	5.3	6.1	5.9	7.3	5.2	5.3	7.7	5.6	8.3	7.1	6.7	6.6	3.3	4.7	11.9	5.1	3.6	5.4	6.8	6.6	6.8	4.6	5.7	6.6	8.2	9.9	8.5	8.7
LPCAT4	17.3	12.4	6.9	11.3	17.6	14.6	16.0	17.5	15.3	6.0	12.4	9.3	10.4	10.9	13.9	11.6	5.6	8.7	9.7	12.6	8.4	8.7	6.4	10.4	11.5	10.3	9.6	8.1	13.8	11.0	10.4	8.5	11.5	7.9	15.5	3.6	10.5	4.3	6.4	14.8
LPGAT1	3.3	3.4	3.9	3.3	3.8	2.5	2.2	3.3	4.6	3.5	3.1	2.5	3.2	3.8	2.3	2.9	3.5	3.9	3.7	4.1	3.9	2.7	3.3	3.0	2.6	3.0	2.6	3.0	2.1	2.3	3.2	3.8	4.7	4.2	3.3	4.3	5.0	3.4	3.2	4.4
LPHN2	8.6	9.7	8.2	8.6	10.3	9.2	9.1	11.3	11.1	8.9	9.4	7.1	6.7	8.7	4.8	8.3	8.4	10.0	8.5	10.2	7.9	8.6	8.6	8.2	6.8	8.9	6.0	7.5	4.2	5.6	6.5	8.6	9.0	10.9	8.6	8.0	10.7	6.6	9.4	10.2
LPIN1	7.3	10.5	9.6	12.4	8.4	7.0	8.5	6.3	6.9	5.8	8.5	6.5	5.9	6.8	5.4	6.4	6.1	8.1	6.9	6.5	8.8	6.8	11.0	7.6	5.6	5.8	11.7	8.8	3.2	6.9	8.6	7.0	16.0	11.1	13.8	13.3	12.5	10.1	16.7	7.8
LPIN2	2.0	1.9	1.8	2.1	2.8	1.7	2.4	2.1	2.4	2.0	1.9	1.5	2.5	2.9	2.5	2.5	2.3	1.7	1.6	3.4	2.1	2.2	1.4	1.9	1.9	1.6	1.7	2.2	2.0	1.7	1.1	2.2	5.1	2.5	2.0	2.4	2.7	2.3	2.9	2.0
LPIN3	3.6	6.9	4.5	4.7	7.3	5.2	4.8	6.2	5.4	4.7	4.3	4.7	4.3	6.2	6.7	5.7	4.8	4.8	4.9	5.3	5.5	4.3	5.2	4.6	4.6	5.5	7.8	7.5	4.6	6.7	6.0	6.3	7.7	7.3	5.9	7.4	9.6	6.9	7.7	4.3
LPL	133.8	417.9	297.1	179.9	223.1	156.1	85.5	125.2	189.0	381.8	282.3	379.6	252.9	221.3	128.7	259.2	400.9	394.5	267.1	134.4	341.4	314.0	309.7	235.9	120.4	283.6	510.6	387.9	98.3	299.5	325.8	209.8	384.5	328.4	271.7	356.3	517.6	430.2	438.1	278.6
LPP	4.4	4.5	4.0	5.6	5.7	4.1	3.6	5.1	6.1	4.9	4.5	3.9	4.8	6.8	7.3	4.0	5.8	5.6	5.1	6.5	6.2	4.8	5.1	4.9	4.5	5.6	5.5	5.3	3.6	4.4	6.5	4.9	8.1	6.8	5.9	7.0	6.7	6.6	8.6	5.9
LPPR2	1.8	2.9	2.4	2.9	3.7	3.6	3.8	2.3	3.3	2.9	2.5	3.4	4.4	8.2	8.4	3.3	4.1	3.7	3.7	3.5	3.5	4.9	2.7	2.1	2.0	4.4	2.2	3.6	3.5	5.0	4.2	4.7	5.6	6.1	3.3	3.0	3.1	4.7	3.8	2.4
LPXN	1.0	1.4	0.6	0.9	1.9	1.6	1.2	2.3	1.9	1.4	1.4	1.8	2.7	2.3	2.7	1.6	1.6	1.1	1.6	3.2	1.8	1.4	1.7	2.2	2.3	1.8	1.4	1.3	2.0	2.3	2.1	1.4	6.3	1.8	1.0	1.4	2.3	1.2	2.6	2.1
LRBA	3.2	2.0	3.2	2.1	2.4	2.4	2.4	3.2	3.6	1.8	3.3	1.7	2.0	2.7	1.3	2.3	2.2	3.0	2.5	3.6	2.7	2.8	2.7	2.7	1.8	1.4	2.5	1.9	1.1	1.5	1.6	2.1	2.0	2.4	2.2	2.7	2.7	1.6	2.2	3.4
LRCH1	2.4	3.0	2.5	2.5	2.9	2.9	2.2	3.6	3.7	3.2	2.9	2.8	4.1	4.0	5.3	2.5	3.3	2.6	2.4	3.8	3.2	3.2	3.3	2.8	2.6	5.3	3.2	4.0	3.0	4.0	3.8	3.9	9.5	4.5	3.7	3.6	4.1	4.0	4.1	3.3
LRCH3	3.3	4.2	3.8	3.6	3.9	4.2	3.8	3.8	4.8	4.1	4.7	2.7	2.4	3.9	2.7	3.0	4.3	4.7	4.7	5.7	3.7	4.2	4.3	3.7	1.9	3.2	3.6	3.0	1.8	1.7	2.4	2.8	4.1	4.3	2.7	3.8	4.2	3.0	3.6	4.9
LRCH4	4.6	6.8	5.9	6.6	6.5	7.8	6.2	6.4	7.5	5.5	5.8	7.3	7.2	7.4	7.6	7.3	6.1	7.2	6.0	7.8	8.1	5.5	6.5	5.6	6.0	6.6	6.8	7.0	5.0	6.8	6.9	7.1	13.2	9.5	6.0	7.8	8.3	7.7	8.7	5.8
LRDD	2.2	2.3	2.1	2.3	2.7	2.5	1.9	1.8	2.2	1.3	2.6	2.5	2.6	2.8	2.9	1.6	1.9	1.6	1.9	2.1	1.6	1.2	1.1	1.6	2.2	1.6	2.3	2.7	2.4	3.2	2.9	1.7	3.3	3.0	1.9	1.8	2.7	1.8	1.4	1.8
LRFN4	2.2	3.0	2.3	2.6	3.1	1.9	1.8	1.8	2.6	1.8	2.7	3.1	2.1	3.5	2.6	2.8	2.9	2.4	2.2	2.2	2.7	1.9	2.1	2.3	1.5	2.1	1.9	2.7	3.5	1.8	2.4	3.5	2.3	2.4	2.3	3.1	4.0	1.8	1.9	1.6
LRIG1	26.9	29.4	21.2	30.0	46.4	31.8	21.3	35.6	32.4	24.8	25.1	25.2	25.2	24.1	24.9	26.4	22.0	25.6	25.7	29.3	26.1	25.4	23.9	31.6	28.6	25.9	25.9	24.4	22.0	20.9	18.8	20.7	19.9	37.3	31.4	21.8	33.2	21.0	28.3	24.0
LRIG3	0.9	1.9	1.0	0.8	1.9	1.9	1.2	1.5	1.2	1.4	1.7	1.1	2.0	1.0	3.7	1.1	1.3	1.2	1.6	3.1	1.9	1.7	1.2	1.5	1.1	2.1	2.3	1.5	1.1	1.4	1.8	1.3	4.5	1.2	1.5	1.8	2.6	1.6	1.6	2.4
LRP1	15.2	17.3	12.6	16.2	21.7	17.7	15.2	20.8	29.5	14.5	20.2	8.8	23.5	21.2	46.8	20.7	20.1	17.2	18.2	27.1	41.8	19.3	14.7	11.1	10.2	21.3	14.5	18.7	18.8	12.5	13.9	18.2	36.4	23.1	12.4	16.6	30.8	16.3	18.5	19.1
LRP10	18.3	19.2	17.1	24.7	24.8	19.9	19.9	17.1	24.6	18.2	18.7	16.8	19.9	29.6	38.7	23.4	27.0	17.5	18.4	23.3	21.7	20.0	17.3	16.8	14.4	18.7	21.5	16.6	17.9	19.0	13.4	21.4	33.8	23.9	16.0	20.7	17.6	21.2	26.0	17.2
LRP11	2.3	2.8	1.4	2.3	2.6	1.8	2.2	3.0	3.7	2.3	2.6	3.3	3.4	3.0	6.5	2.3	2.1	2.9	2.4	5.4	4.0	3.2	2.6	2.6	3.0	3.7	2.3	2.7	2.4	2.3	1.9	2.0	4.4	3.2	2.4	1.9	2.3	1.7	2.5	3.0
LRP12	5.2	5.0	4.4	5.7	4.5	4.5	4.7	4.6	6.5	5.8	5.7	4.1	4.7	6.3	3.3	5.1	5.4	5.5	4.6	4.8	4.1	5.3	5.6	4.2	3.7	5.2	5.5	4.7	2.9	3.1	4.9	5.5	5.1	6.0	4.9	5.7	7.0	5.2	5.4	5.4
LRP3	3.0	3.5	3.3	3.6	5.1	4.1	3.2	3.4	4.3	5.0	5.0	4.6	5.4	6.5	8.1	4.0	5.2	3.7	5.2	5.3	6.8	4.7	3.6	3.7	3.5	5.3	5.0	5.1	5.2	4.3	4.0	5.0	5.9	5.1	5.1	4.4	5.2	5.1	4.0	3.4
LRP4	3.2	4.8	4.2	3.6	3.0	3.5	2.7	4.8	4.1	3.3	3.4	3.4	1.9	5.4	1.6	2.9	3.9	3.7	4.1	3.3	2.4	3.1	2.8	2.6	2.1	2.6	2.7	2.5	1.4	1.0	1.9	2.1	2.1	2.9	2.8	3.1	3.4	2.5	2.1	2.3
LRP5	7.2	8.6	6.8	9.2	9.2	7.9	6.8	11.1	11.2	9.6	11.7	10.6	10.5	8.8	15.3	10.7	9.0	11.2	10.9	13.1	13.2	12.0	12.3	11.2	7.2	10.2	8.9	11.6	6.9	8.5	10.1	10.2	10.3	11.5	8.7	7.5	11.0	9.2	10.0	10.3
LRPAP1	82.9	69.7	71.2	81.7	135.1	86.8	81.6	88.4	99.9	106.7	96.3	140.3	82.2	109.5	103.8	96.0	118.7	84.7	101.5	98.4	96.0	88.7	98.8	119.5	67.5	73.8	86.3	82.6	61.2	89.3	59.5	85.1	64.1	95.9	70.5	75.5	67.7	73.2	68.8	73.2
LRPPRC	21.2	17.9	23.5	14.0	19.6	16.9	18.0	22.1	20.6	19.2	23.4	15.0	17.2	13.6	10.5	18.0	15.8	19.5	14.7	18.4	16.1	19.2	18.7	20.6	13.8	16.5	17.8	18.4	9.8	11.9	13.8	16.5	14.4	16.9	16.0	17.8	19.0	15.5	16.3	25.0
LRRC10	13.3	9.4	4.2	3.8	13.8	11.3	8.4	8.3	13.1	6.4	18.3	12.3	9.2	8.1	10.6	6.9	6.5	9.6	8.8	18.6	5.4	10.3	11.5	18.5	5.8	9.1	4.5	9.7	7.8	7.3	7.7	5.7	0.7	2.9	6.2	2.2	2.5	0.8	2.3	16.2
LRRC14	2.3	2.5	2.6	2.5	3.0	2.6	2.3	3.0	3.2	2.2	3.4	3.4	3.1	3.6	3.9	3.2	2.5	2.4	2.5	3.6	3.4	2.9	2.5	3.0	2.6	2.1	3.5	2.2	2.6	2.3	2.5	3.0	3.4	3.1	2.3	2.1	4.0	2.8	2.9	2.5
LRRC14B	25.3	19.6	10.6	2.2	20.6	24.9	16.5	16.7	9.7	8.9	19.6	9.6	11.0	6.5	7.1	13.5	4.8	7.0	8.0	5.8	7.9	9.1	12.4	16.4	4.5	16.1	8.0	17.9	6.1	9.9	8.0	11.0	2.7	3.4	11.9	2.3	4.2	1.6	8.5	11.4
LRRC16A	0.7	0.7	1.1	1.4	2.1	1.5	1.3	1.6	2.4	1.1	0.9	0.5	0.8	1.8	2.9	1.6	1.7	1.2	1.0	2.2	1.5	1.7	0.9	0.8	3.0	1.8	2.4	0.5	0.8	1.4	0.5	1.2	7.8	5.5	1.5	2.9	6.6	4.9	3.1	0.8
LRRC17	1.2	0.6	0.6	0.3	2.0	1.2	1.0	0.7	2.2	1.3	1.0	1.2	3.1	2.7	7.9	1.7	1.6	1.5	1.8	4.3	3.0	1.6	1.4	1.6	3.7	6.2	1.1	1.5	5.3	1.7	1.7	2.4	3.7	2.9	1.2	1.8	3.9	1.3	1.9	1.1
LRRC2	29.9	21.2	21.5	22.8	22.8	18.3	19.3	16.6	26.2	23.1	24.4	15.8	14.0	18.3	7.0	25.6	16.6	23.0	17.4	14.8	13.2	18.3	12.0	24.1	14.9	15.9	20.0	17.2	5.1	8.9	13.5	18.4	9.8	14.1	21.5	18.0	15.9	9.9	7.1	26.0
LRRC20	12.7	11.0	10.2	6.5	10.2	12.3	9.8	11.8	9.9	9.2	12.0	10.0	10.9	10.4	7.6	11.0	8.1	10.0	8.6	8.9	8.9	8.5	8.1	8.2	8.6	7.8	8.7	12.6	7.4	8.4	6.7	7.1	3.9	8.9	6.6	7.3	10.5	5.1	6.1	7.8
LRRC23	1.9	1.9	1.6	1.9	2.6	3.0	1.9	3.4	3.8	1.7	3.1	2.3	4.3	4.5	3.0	4.3	3.6	3.2	3.1	2.0	2.2	2.3	3.8	2.6	3.8	2.9	3.4	2.9	2.3	3.3	3.2	3.3	2.9	2.5	2.4	2.4	3.5	2.9	3.0	2.8
LRRC28	4.0	3.6	2.7	3.7	4.6	3.3	2.7	3.3	3.1	2.3	2.7	4.5	3.2	4.2	3.9	3.1	2.6	2.9	2.7	3.7	3.7	3.2	3.1	3.5	2.7	3.7	3.0	3.2	2.5	2.9	2.7	3.2	3.7	3.3	4.6	2.9	3.5	3.0	3.1	3.0
LRRC32	9.2	4.3	3.6	3.8	9.9	7.2	5.4	5.7	7.1	4.0	4.4	3.5	5.1	5.6	8.5	6.4	4.9	4.8	8.7	5.5	11.1	5.2	5.8	4.9	2.2	6.2	3.3	2.0	2.0	4.1	3.8	3.9	11.9	8.3	2.3	3.3	3.9	4.7	6.5	3.6
LRRC37A2	1.4	1.0	1.1	1.4	1.4	3.0	1.0	1.0	1.2	0.9	1.6	1.4	1.2	1.0	1.3	0.8	0.6	4.4	0.8	1.9	3.4	0.9	1.0	1.1	0.8	1.8	1.6	4.1	1.1	0.8	1.5	0.9	2.1	4.1	0.4	1.4	3.8	0.8	1.0	1.0
LRRC39	64.6	62.0	46.2	32.5	43.7	66.2	54.1	60.7	34.2	46.9	54.0	38.5	52.7	40.4	29.0	33.9	34.5	48.0	40.7	42.2	36.8	38.4	50.7	38.8	30.5	40.4	42.1	58.4	29.5	45.9	35.6	34.8	19.7	36.4	57.4	23.8	39.2	13.8	31.7	41.9
LRRC40	3.4	3.4	2.6	3.5	4.2	3.1	2.7	3.7	3.4	2.7	3.1	2.6	4.2	5.2	2.9	3.4	2.8	3.8	3.3	3.7	3.7	3.5	3.6	3.0	2.3	2.9	3.3	3.9	2.1	3.0	3.0	3.4	4.1	4.1	3.1	4.3	4.6	2.4	3.7	3.9
LRRC41	9.2	10.3	9.4	10.0	11.8	10.0	7.9	8.8	11.9	11.0	10.9	11.1	12.5	15.3	14.7	11.2	12.0	10.7	10.5	11.1	12.0	10.9	11.6	10.7	9.2	12.1	11.1	11.8	9.4	9.8	11.2	12.7	14.1	13.1	12.8	10.3	14.2	13.8	11.9	9.0
LRRC42	3.1	3.8	3.6	3.6	4.8	3.4	2.7	3.5	5.6	4.6	4.0	3.9	4.1	5.4	4.9	3.5	4.0	3.1	3.1	4.4	3.3	3.5	3.5	3.0	2.8	3.9	2.9	3.6	2.8	4.3	2.9	4.3	4.1	5.5	2.5	3.3	4.2	4.4	2.5	3.6
LRRC47	8.6	10.7	9.7	8.7	9.3	10.0	8.1	8.8	12.0	10.0	11.1	14.0	12.2	12.2	10.9	10.9	11.3	10.6	10.3	10.1	11.4	10.0	10.1	12.1	9.3	10.0	11.5	12.5	9.0	10.0	7.5	9.3	8.8	11.6	11.6	9.5	10.4	9.7	9.8	10.4
LRRC49	11.6	11.8	11.3	7.9	11.2	8.9	8.4	8.5	10.3	14.6	11.4	8.4	11.9	7.4	9.5	9.6	11.3	9.7	11.5	8.7	7.8	11.0	14.0	11.0	7.9	11.9	15.6	16.8	7.6	12.5	16.0	14.7	4.7	9.5	11.6	10.1	6.7	12.8	11.1	11.3
LRRC59	5.9	5.7	5.9	9.4	7.6	4.7	5.8	6.6	8.0	7.2	6.2	6.8	7.4	9.0	10.4	6.8	8.2	6.1	6.2	7.9	8.7	5.9	6.7	6.1	5.8	7.3	6.2	6.3	6.1	6.7	5.6	10.3	11.8	10.1	5.6	8.6	8.1	9.7	8.5	6.1
LRRC8A	7.6	9.0	10.0	8.5	10.8	8.6	8.5	9.3	8.0	6.7	4.9	5.1	6.1	9.2	10.0	8.3	7.6	7.0	7.7	7.2	7.6	6.2	4.9	5.5	10.2	10.8	13.6	13.9	6.1	10.9	9.9	12.3	26.0	23.8	16.4	18.9	19.7	17.5	18.1	5.5
LRRC8C	1.8	1.7	2.2	3.2	2.0	2.2	1.6	2.3	2.9	2.1	2.5	1.6	1.9	1.5	1.9	1.1	1.8	1.6	2.0	2.3	2.0	2.2	2.2	1.8	1.4	2.1	1.5	1.8	1.4	2.3	2.9	2.4	3.6	2.2	1.9	2.3	3.0	1.5	2.6	3.4
LRRFIP1	21.6	28.6	23.2	24.6	29.0	16.7	22.9	28.2	29.0	22.7	23.4	27.8	24.4	30.3	27.9	21.3	28.6	24.7	22.9	24.1	23.3	22.5	27.3	25.7	19.7	31.2	21.7	26.3	20.6	21.1	30.3	28.9	30.0	28.0	25.2	27.0	29.2	30.5	32.9	29.0
LRRFIP2	35.7	27.7	25.6	24.0	39.5	25.4	27.8	29.5	26.4	22.9	25.7	26.6	30.6	30.3	22.8	27.7	25.8	27.0	25.7	25.1	25.4	28.3	28.0	29.5	28.4	25.2	31.4	24.0	19.5	25.1	23.9	24.7	21.4	29.6	30.9	26.3	31.8	23.8	33.1	29.8
LRRN3	5.5	0.7	0.6	0.4	2.3	1.8	3.1	2.4	1.8	0.1	0.5	0.2	0.5	0.3	1.0	1.2	0.2	0.2	0.2	1.3	0.5	0.7	0.3	0.6	0.9	0.4	0.3	0.6	0.8	0.4	0.3	0.6	1.0	0.6	1.0	0.3	0.6	0.5	0.5	1.7
LRSAM1	10.7	9.7	9.0	10.7	11.4	9.7	9.3	9.2	8.6	6.3	7.9	6.4	10.2	9.6	8.7	8.7	6.3	6.2	6.7	7.1	8.1	9.1	6.0	7.8	6.4	7.1	7.2	8.0	6.3	10.1	7.9	7.3	5.9	7.5	6.7	5.6	9.5	5.1	6.4	7.9
LRWD1	2.5	2.3	2.2	3.0	2.4	2.2	2.0	2.3	3.1	2.2	2.2	2.6	2.5	4.4	2.4	2.7	3.3	1.6	2.0	2.4	2.7	2.2	3.4	2.3	2.3	2.0	1.7	2.5	2.1	2.9	1.8	3.0	3.7	3.7	2.2	2.0	2.4	2.2	2.0	1.8
LSG1	3.2	4.4	4.2	5.7	4.7	3.4	3.5	4.7	5.3	3.9	4.4	3.6	3.3	4.5	4.2	4.9	4.2	4.9	2.9	5.5	4.4	3.5	4.3	4.6	2.7	3.4	4.1	4.0	3.3	3.0	3.5	5.8	4.8	5.3	3.4	4.8	5.3	4.8	4.5	4.4
LSM1	15.1	15.1	16.9	19.7	19.9	18.8	15.8	18.4	18.6	18.6	16.7	22.1	25.3	20.8	18.4	18.1	17.9	20.9	18.5	15.2	18.2	20.0	18.0	17.5	16.4	14.0	20.7	18.6	13.3	23.1	15.0	18.4	14.6	21.1	18.7	16.5	22.5	17.8	16.9	18.1
LSM10	15.0	16.1	17.6	19.3	21.2	16.5	19.5	17.5	16.9	18.9	17.3	14.2	20.0	21.7	19.0	17.1	17.8	15.5	16.8	13.6	20.5	17.0	13.9	15.3	12.4	12.0	17.4	13.7	11.3	14.1	16.5	16.5	13.7	16.4	14.2	14.5	19.5	11.8	12.5	13.4
LSM12	8.8	7.8	8.2	9.1	7.6	6.9	6.4	7.6	8.0	8.0	7.4	6.4	7.1	8.6	7.9	7.6	7.9	7.1	6.3	6.5	7.7	7.5	8.5	6.7	5.7	6.8	7.9	8.5	5.6	7.4	6.9	8.1	8.9	7.2	7.7	7.7	7.6	6.9	8.6	7.6
LSM14A	13.2	15.2	12.8	14.1	14.5	12.0	11.5	15.0	16.9	16.1	13.9	14.3	16.5	16.2	18.6	13.7	16.7	16.0	12.9	16.8	16.1	14.2	16.3	14.7	12.3	18.0	16.6	15.7	11.8	12.0	12.5	15.5	24.9	19.0	14.0	14.5	17.4	16.0	17.5	15.3
LSM14B	9.4	12.8	9.6	8.4	9.8	8.4	7.4	10.0	9.6	9.3	9.4	10.8	8.6	8.8	10.5	9.3	9.2	9.7	9.6	7.8	7.5	8.0	10.1	8.5	7.0	8.4	10.5	11.6	5.9	8.9	9.0	9.3	9.1	8.9	8.2	8.7	9.6	7.2	10.2	10.5

LSM2	7.0	6.6	5.1	9.3	5.9	5.0	6.7	6.7	8.0	6.3	7.6	7.9	8.6	8.9	9.2	6.9	5.0	7.8	7.7	7.6	9.0	6.7	6.4	7.2	6.7	7.7	7.6	7.0	7.4	10.4	6.1	5.9	11.6	8.8	9.1	4.8	5.4	5.3	6.5	6.3
LSM3	19.4	21.0	20.1	23.0	21.5	19.1	21.4	23.7	22.7	21.1	22.4	25.1	21.0	23.3	21.3	19.1	22.0	25.8	22.3	22.3	19.1	18.9	25.6	21.4	24.2	20.0	20.6	25.9	16.2	25.8	18.3	23.9	18.6	23.4	25.9	17.1	17.6	15.0	21.6	22.8
LSM4	18.0	18.7	18.3	14.4	23.6	16.9	19.4	20.7	18.6	22.0	22.9	23.5	22.0	30.9	21.2	18.1	20.8	19.0	21.0	22.1	19.9	20.9	17.8	17.3	15.2	17.6	25.4	21.6	20.7	28.6	18.1	23.6	18.0	22.9	19.8	17.8	22.1	19.3	17.5	18.0
LSM5	4.5	4.1	5.1	3.8	3.4	4.2	5.0	4.6	5.2	4.5	4.8	5.3	4.3	6.2	4.5	4.6	4.0	4.2	4.1	6.0	5.6	4.8	4.0	4.5	4.6	3.3	6.0	4.2	4.2	5.6	5.0	5.0	3.9	4.7	5.8	3.8	4.9	3.6	4.3	5.3
LSM6	3.9	2.9	3.1	4.3	2.8	2.0	2.4	4.4	3.4	3.3	2.5	3.1	1.8	2.1	4.3	2.4	3.3	4.1	3.1	4.3	3.3	1.8	4.0	2.9	3.4	1.4	3.7	2.5	2.3	3.2	2.7	2.4	5.0	3.2	5.0	4.0	3.2	2.1	4.0	3.0
LSM7	9.6	11.1	10.1	11.6	8.1	8.2	10.4	8.1	10.8	11.0	10.9	13.9	9.4	14.0	15.2	8.9	9.0	9.7	12.1	11.3	12.4	9.7	8.5	9.1	9.3	10.9	12.6	12.0	11.2	14.3	12.8	13.4	14.5	15.6	11.6	12.2	11.8	14.0	9.8	9.7
LSMD1	11.9	10.7	10.9	10.6	10.0	11.4	13.3	11.0	9.9	6.0	11.0	8.6	10.4	8.2	11.4	10.2	8.3	10.9	10.3	11.0	7.9	8.0	8.4	9.6	9.6	6.6	9.5	11.8	7.1	10.0	13.8	9.9	9.4	9.2	15.9	10.2	9.7	6.2	8.5	10.0
LSP1	8.5	5.2	3.8	2.1	5.7	8.7	6.7	7.2	14.3	7.8	23.8	7.9	21.8	6.9	27.6	8.0	13.4	10.7	12.5	13.3	18.2	16.1	13.4	9.1	6.7	14.1	7.9	18.1	18.6	12.7	6.9	17.1	22.8	13.9	10.3	10.1	10.7	10.2	7.7	12.2
LSS	9.8	13.4	14.4	9.7	17.3	11.4	8.9	8.8	8.7	7.0	9.7	7.9	9.8	9.6	11.4	9.4	7.7	7.2	9.1	8.8	11.6	8.5	5.9	7.1	9.8	9.2	10.3	11.4	9.7	11.6	9.3	7.7	12.8	12.8	12.4	11.9	14.4	10.6	9.5	6.6
LTA4H	13.3	12.6	11.3	11.9	13.5	13.0	11.5	11.4	15.0	12.8	13.7	12.9	14.5	12.6	16.6	14.2	14.0	13.0	11.6	15.6	16.3	13.8	14.9	13.0	7.0	12.4	14.4	13.9	9.2	16.7	14.1	13.9	19.0	11.6	10.9	10.2	14.3	10.6	18.2	16.2
LTBP1	17.6	17.7	15.8	23.0	38.9	18.0	13.1	24.7	31.4	26.1	24.6	24.5	27.7	33.6	60.2	19.6	34.2	23.6	30.2	56.6	37.2	34.2	28.2	32.4	23.1	43.7	47.7	27.9	26.9	21.2	24.2	38.2	27.2	40.3	29.5	30.8	39.1	58.3	40.2	32.1
LTBP2	4.1	4.3	2.5	1.8	14.9	10.5	4.0	6.2	22.3	24.1	13.2	10.3	34.0	53.9	68.4	34.6	48.0	19.6	17.7	48.5	23.5	17.6	16.2	20.1	10.3	41.8	9.0	17.7	31.2	18.3	2.8	30.6	35.9	56.9	5.8	20.7	20.2	25.4	7.4	11.2
LTBP3	15.5	15.1	12.0	12.5	26.4	20.9	14.4	15.8	32.7	20.3	23.5	19.9	33.1	35.2	64.1	23.1	28.9	19.9	21.2	37.1	31.5	26.1	21.9	21.6	24.0	34.8	23.2	23.1	32.3	27.1	16.9	25.4	41.6	38.8	19.3	21.0	33.3	27.3	22.3	20.9
LTBP4	28.9	26.7	19.2	16.6	39.5	32.7	24.0	23.3	42.1	28.5	38.4	26.2	38.0	29.2	140.4	37.4	23.3	29.0	31.4	95.1	56.9	46.9	31.4	33.6	56.9	73.7	50.0	46.5	50.5	55.8	28.5	44.8	49.7	77.5	41.7	52.3	48.0	56.7	45.2	47.6
LTBR	7.3	8.4	7.4	11.5	8.8	10.9	5.7	6.1	10.5	7.1	6.7	7.5	11.3	9.7	16.3	6.6	10.2	6.7	7.4	10.7	11.0	8.3	5.9	5.5	7.8	8.1	6.7	8.8	8.9	7.6	7.8	9.2	19.7	11.6	6.3	7.6	8.7	9.0	8.5	5.9
LTC4S	1.5	0.6	0.9	0.7	2.2	1.8	0.4	1.4	2.6	1.9	1.5	1.5	1.5	2.3	4.3	0.6	2.6	1.5	2.4	3.4	3.0	1.8	1.5	1.5	1.5	0.9	0.9	1.8	2.3	2.4	1.0	1.5	3.3	2.4	0.5	1.0	1.2	0.7	0.5	0.6
LTF	1.8	0.7	0.6	0.9	1.6	0.5	0.6	1.1	0.9	0.6	3.3	1.0	0.8	0.7	1.2	0.5	2.0	1.9	1.5	0.9	2.5	1.1	0.8	1.1	0.2	0.2	0.4	0.7	0.6	0.7	1.2	0.8	3.7	0.6	0.6	0.8	0.8	1.0	0.9	0.4
LTN1	2.6	2.5	2.9	2.3	2.3	2.1	1.7	2.7	3.3	2.0	2.4	1.7	2.0	2.6	1.5	2.1	2.3	2.9	2.5	3.2	2.4	2.4	2.3	2.3	1.4	2.0	2.4	2.2	1.3	1.6	2.1	2.0	3.0	2.9	1.9	2.4	3.7	2.0	2.1	2.5
LTV1	5.0	6.9	7.5	8.4	6.3	4.7	5.5	7.8	8.4	6.4	5.2	4.9	7.3	8.0	9.1	6.6	5.6	7.3	6.1	8.1	6.6	6.0	6.9	5.7	5.8	5.5	5.6	6.1	4.9	5.7	5.2	9.6	7.9	6.5	5.2	6.8	7.9	6.2	5.6	6.0
LUC7L	7.9	9.3	6.4	6.7	10.6	6.5	7.1	7.5	8.5	7.8	7.7	9.0	10.1	9.5	14.6	9.6	8.0	8.1	7.5	10.4	11.5	7.7	7.2	7.3	13.5	12.5	8.0	11.0	12.1	16.8	13.2	9.1	25.7	13.9	12.9	9.5	11.5	8.4	13.9	8.2
LUC7L2	19.1	21.5	17.7	18.8	20.6	18.2	15.1	17.4	23.1	20.1	20.9	21.1	22.5	24.9	25.1	20.2	18.5	22.3	21.5	24.2	19.9	19.1	20.5	20.5	18.3	23.8	23.9	20.6	15.7	21.3	19.6	20.8	32.9	27.2	21.6	21.6	26.8	20.5	28.2	24.2
LUC7L3	25.4	26.8	16.6	24.6	30.9	23.5	21.3	22.6	30.2	26.5	27.8	28.1	30.2	25.5	30.2	24.2	26.2	30.3	26.2	40.7	26.9	22.4	26.1	26.6	31.6	32.2	26.2	24.9	25.9	25.5	28.7	24.9	43.4	34.3	38.5	22.7	29.5	21.8	32.5	31.9
LUM	20.4	15.4	15.9	9.4	57.1	27.6	13.4	38.6	153.1	110.6	98.8	39.7	237.6	136.7	379.8	71.5	116.7	83.3	100.8	317.7	147.1	95.2	72.3	85.4	99.1	304.1	52.6	154.1	234.4	151.6	30.9	126.8	293.3	240.3	37.9	113.1	178.1	81.7	62.9	118.8
LUZP1	4.7	4.7	4.1	3.8	5.2	3.7	3.0	5.4	6.6	5.2	5.2	3.7	4.2	6.2	4.1	4.4	5.3	5.6	4.6	6.6	4.9	4.6	4.5	4.8	2.1	3.5	3.4	3.6	2.5	2.4	3.8	3.4	5.1	6.0	2.8	4.9	5.6	3.8	3.5	4.7
LUZP6	6.9	8.0	7.2	7.1	8.2	6.2	6.5	7.3	9.1	8.8	9.1	7.4	8.9	15.2	8.9	8.4	9.7	8.7	8.8	9.8	9.5	9.3	9.2	8.3	4.6	7.7	10.6	8.4	6.4	6.4	9.2	10.9	11.3	11.7	7.3	10.7	10.5	16.3	11.6	8.7
LXN	1.4	1.2	1.1	1.9	1.5	1.0	1.3	1.1	2.5	1.6	1.7	1.3	2.0	2.2	6.0	1.2	1.9	1.4	2.1	3.2	2.8	1.9	1.8	1.5	0.6	1.8	1.8	2.0	2.3	2.0	1.7	2.3	5.7	1.4	1.6	1.3	0.7	1.2	1.3	2.0
LY6E	18.1	15.5	12.3	15.0	29.8	17.7	14.8	19.0	34.6	14.5	15.7	17.6	71.2	13.3	40.5	13.1	13.6	12.9	25.4	31.1	26.0	17.1	15.3	46.1	23.4	18.5	14.4	17.1	18.1	21.1	21.7	19.6	34.4	22.9	21.9	26.8	17.9	15.1	17.8	30.6
LY6G5B	4.5	6.3	3.3	5.6	5.8	5.4	4.0	4.6	4.5	3.3	2.1	5.8	5.6	6.0	10.2	5.1	4.6	5.4	3.8	5.3	4.9	4.6	4.5	5.1	3.5	5.9	4.8	5.1	5.5	8.1	6.0	4.9	8.8	5.8	6.8	4.6	7.0	5.1	6.4	4.9
LY96	1.2	0.9	1.2	1.7	2.8	1.8	2.0	1.4	2.6	1.1	1.8	1.5	5.7	1.0	4.7	2.7	4.0	1.2	1.8	2.6	2.9	0.8	1.1	1.4	0.9	2.5	1.0	1.9	2.3	2.3	0.7	1.2	5.1	1.6	1.0	1.8	1.9	1.3	1.9	2.2
LYAR	3.0	3.5	4.2	5.7	4.5	3.0	3.7	3.5	5.1	1.8	4.8	4.5	5.0	5.9	6.2	4.2	3.8	4.4	3.2	5.7	4.6	1.7	5.2	4.8	5.9	2.0	5.8	3.1	5.9	5.6	4.0	5.5	7.1	6.9	4.3	8.2	9.6	2.1	8.6	4.0
LYL1	2.3	1.3	1.9	1.6	1.8	1.2	1.5	1.8	2.9	1.6	1.9	1.9	2.4	2.9	3.4	1.2	1.3	1.1	1.9	2.8	2.5	1.6	1.4	1.8	0.8	1.4	0.8	2.1	1.9	0.8	1.8	1.5	3.1	2.0	1.3	1.6	1.7	1.7	1.7	1.1
LYN	2.0	1.7	1.2	2.2	2.8	1.6	2.9	2.1	2.7	1.9	1.3	1.2	2.7	1.8	3.7	2.4	2.5	2.0	2.6	2.9	2.1	1.3	1.5	1.6	0.8	2.1	1.5	1.5	1.5	2.4	1.7	2.1	6.5	1.3	0.8	1.4	1.8	1.8	2.7	2.7
LYNX1	29.5	15.5	17.5	19.5	33.1	20.5	22.4	25.4	34.3	25.8	29.7	25.5	26.1	36.9	22.9	29.4	29.8	24.0	23.2	19.1	20.9	32.3	27.6	18.7	18.5	18.8	25.1	24.1	18.2	25.4	22.0	28.3	16.4	31.0	18.1	19.2	23.4	27.8	21.0	16.3
LYPLA1	9.9	12.5	13.3	15.5	13.7	11.1	12.5	13.4	13.9	10.6	12.0	11.8	12.9	12.0	7.9	13.0	8.4	13.1	10.3	11.3	12.5	12.2	13.8	11.5	6.8	8.5	12.6	12.7	7.1	8.9	8.7	13.2	8.9	12.6	9.9	12.1	13.1	9.0	12.3	14.3
LYPLA2	6.7	9.1	7.2	8.9	10.3	8.3	7.7	7.3	10.3	9.6	9.0	9.0	8.8	8.4	9.3	7.0	7.3	7.8	9.2	10.1	7.3	8.0	8.5	7.9	6.8	9.4	8.9	8.7	10.5	8.3	9.2	9.3	10.0	8.8	8.0	8.5	7.4	7.6	8.1	
LYPLAL1	8.2	6.8	8.7	6.1	7.7	7.9	7.4	7.7	9.6	9.9	12.1	10.5	7.6	10.7	8.4	8.3	8.4	11.8	8.0	8.9	8.2	8.9	10.8	8.6	9.1	9.3	9.7	11.1	5.2	10.0	11.5	10.9	5.8	9.5	9.5	10.1	7.9	10.5	10.2	8.5
LYRM1	11.9	17.4	12.9	18.7	12.3	14.3	13.5	14.4	14.0	15.9	14.0	11.8	14.8	17.4	13.6	11.3	16.3	12.9	12.7	12.0	14.0	12.8	18.9	12.9	9.5	11.8	16.3	12.2	6.8	14.5	13.5	12.7	14.9	13.9	16.4	10.4	15.3	11.0	16.9	14.6
LYRM4	3.1	3.9	3.7	3.6	4.6	3.7	2.9	4.1	3.5	3.1	4.6	4.3	5.0	6.4	4.9	3.7	3.8	3.9	3.7	6.3	4.7	3.3	3.7	2.8	2.8	3.8	4.9	4.2	3.5	4.8	4.1	3.9	4.3	3.3	3.5	3.5	3.2	3.2	3.7	3.6
LYRM5	18.8	22.7	20.2	18.2	24.4	22.2	20.1	20.7	18.9	17.6	17.7	17.4	20.1	22.3	16.3	20.8	19.6	19.5	18.2	18.4	19.9	17.2	19.4	16.6	13.5	12.6	18.9	18.6	11.1	16.0	14.9	18.0	11.4	17.3	16.8	16.4	18.9	13.3	17.5	19.0
LYSMD1	3.6	3.5	2.9	5.0	2.7	4.1	3.0	2.7	3.8	2.9	3.1	3.3	3.7	4.5	3.0	4.4	2.9	3.7	2.4	3.7	3.0	3.2	3.0	3.1	5.0	2.8	4.1	3.8	2.6	3.0	3.1	3.7	3.6	3.9	3.4	3.3	4.7	2.9	3.1	3.8
LYSMD3	3.1	3.4	3.7	3.4	3.4	2.9	2.9	3.5	3.6	2.6	2.6	2.5	2.4	2.9	2.2	3.1	2.6	3.2	3.2	4.3	2.9	2.7	3.5	2.3	2.0	3.3	3.3	2.5	1.8	1.9	2.7	2.9	3.7	4.0	3.6	3.6	4.2	2.9	3.6	3.4
LYVE1	16.3	15.9	13.3	8.3	25.7	9.6	13.2	15.6	13.5	8.9	2.8	0.6	16.6	0.7	15.9	11.7	13.4	9.3	10.8	14.2	13.1	4.1	1.0	0.9	1.0	8.7	6.7	9.0	1.3	5.1	0.9	2.2	31.9	13.2	2.4	13.3	10.0	8.3	14.7	8.2
LYZ	4.0	4.6	2.4	0.7	5.6	6.1	6.5	10.4	8.5	4.1	2.6	1.2	15.0	2.0	6.5	6.7	8.7	3.6	9.7	11.2	9.6	3.5	2.6	2.2	0.4	2.9	2.5	4.3	1.9	3.6	0.6	8.9	29.8	2.6	1.0	3.3	9.2	4.3	3.9	6.3
LZIC	7.4	6.1	6.1	5.6	4.7	5.9	5.0	6.1	7.0	5.2	5.3	5.6	6.9	5.8	6.0	5.8	5.6	7.3	5.7	8.0	5.7	5.8	6.3	6.1	4.5	5.5	6.9	5.2	4.9	4.6	5.7	5.6	6.1	6.9	7.1	6.4	7.0	4.9	5.7	7.5
LZTR1	4.8	4.7	4.8	5.3	7.8	5.6	4.5	5.0	7.1	5.6	3.8	6.4	5.8	7.6	8.9	5.2	5.4	5.4	6.6	8.1	8.5	5.4	5.7	6.0	6.6	3.0	6.4	6.1	6.3	5.7	6.6	9.7	8.6	5.9	6.3	7.2	7.7	7.7	5.1	
LZTS2	10.3	9.5	7.4	9.8	9.9	12.6	6.8	9.2	12.0	8.7	10.5	11.7	12.2	14.1	16.4	10.0	9.3	8.4	11.1	13.5	11.2	10.0	11.0	10.4	10.1	12.3	8.9	9.5	9.9	10.2	10.7	9.8	12.0	10.9	8.4	9.6	9.7	13.1	9.6	10.2
M6PR	24.0	25.7	21.4	24.4	22.9	21.9	20.3	22.6	27.0	21.7	24.9	27.3	26.0	28.5	25.9	23.6	26.9	28.1	22.9	29.6	25.3	22.9	28.2	27.1	17.4	21.2	24.0	24.7	20.0	22.7	19.5	25.9	31.5	27.7	23.9	23.7	24.8	24.4	26.8	23.4
MACF1	14.2	13.3	13.0	13.1	11.0	12.2	12.2	19.4	16.2	18.3	12.8	11.9	18.6	16.2	18.2	12.7	16.5	16.7	14.9	17.4	13.6	16.4	16.7	14.9	11.5	11.7	12.6	13.9	7.4	9.8	13.4	14.2	10.5	16.8	13.8	16.7	20.1	15.2	14.5	16.7
MACROD1	21.9	25.5	26.0	23.1	25.3	24.9	28.6	26.1	18.9	20.5	21.8	22.5	18.0	22.5	16.1	19.1	19.2	21.4	21.1	20.5	18.1	21.2	18.5	21.0	21.7	17.5	27.3	27.0	21.4	24.8	24.6	23.1	10.5	22.1	18.5	21.5	21.6	19.2	17.3	23.5
MAD1L1	1.9	2.8	1.7	2.4	3.1	2.5	1.8	2.4	2.6	2.2	2.1	2.5	2.7	2.7	3.5	2.7	1.8	1.8	2.3	2.7	2.8	2.3	2.3	2.4	2.4	2.4	2.8	2.7	2.5	2.9	2.5	2.9	3.4	2.4	2.4	2.3	3.0	1.6	2.8	2.5
MAD2L1BP	6.1	8.7	7.4	9.3	8.5	8.1	5.8	7.9	8.9	9.0	6.7	9.2	11.8	8.7	7.2	8.7	7.2	5.7	6.8	9.4	8.6	8.0	8.9	9.8	7.0	5.8	8.9	9.2	7.1	10.7	6.3	8.3	5.6	9.6	7.9	8.4	9.2	8.0	7.5	9.0
MAD2L2	4.8	4.9	4.4	10.0	4.7	4.1	5.3	4.1	5.9	5.5	6.4	5.9	5.8	7.2	6.2	5.3	6.1	4.4	5.8	3.9	5.8	4.9	5.2	4.9	5.0	5.4	4.9	6.2	3.6	6.4	4.5	6.0	7.1	6.3	5.5	3.6	5.4	5.1	5.1	4.2
MADD	8.8	11.6	6.8	7.5	9.2	9.3	7.3	8.9	8.6	9.0	7.3	6.0	8.5	7.2	7.4	8.6	6.4	6.5	7.5	7.8	7.0	8.2	6.4	8.2	6.7	9.7	12.6	9.8	5.5	6.8	6.5	5.7	10.4	9.0	9.1	6.2	9.3	6.3	10.0	8.5
MAEA	12.0	13.8	14.8	13.8	15.8	12.5	10.5	13.0	13.9	12.0	15.1	14.7	15.9	16.4	16.6	15.6	12.8	11.5	12.9	15.0	14.2	14.5	12.9	15.3	10.4	10.7	14.9	13.6	12.6	14.5	13.6	16.7	14.7	12.3	11.2	12.2	14.8	12.2	10.2	11.6
MAF	2.2	1.7	0.9	1.2	2.2	1.7	1.2	2.4	3.2	2.1	1.8	1.8	0.7	3.4	1.0	3.8	2.3	2.6	1.9	3.0	3.9	3.6	1.4	1.2	1.4	0.7	1.8	1.7	2.1	0.8	1.3	1.1	1.5	4.4	1.7	0.4	2.3	1.6	2.2	1.9
MAF1	47.6	51.0	46.4	52.5	43.4	49.7	46.1	53.0	48.4	52.1	44.7	42.0	51.7	56.6	46.4	45.8	51.1	47.4	45.0	42.2	41.1	43.4	44.3	46.7	44.1	41.3	50.7	50.2	41.3	46.6	41.7	45.4	45.2	48.5	54.8	47.2	54.2	42.2	50.5	46.5
MAFB	2.3	1.6	2.1	1.9	3.8	2.6	1.6	2.4	4.1	2.2	1.2	0.8	2.5	1.0	6.8	2.1	2.6	2.0	2.5	2.9	4.4	1.4	0.9	1.1	1.0	3.5	3.1	3.2	1.4	3.0	1.2	2.0	14.4	3.9	1.6	3.5	4.8	3.3	6.8	3.3
MAFF	1.8	0.8	1.2	0.9	1.6	2.5	1.4	0.7	1.4	1.9	0.4	1.3	1.5	2.8	3.3	4.7	1.7	1.2	2.9	4.4	1.0	1.1	0.8	0.5	4.9	18.9	1.2	1.6	1.0	11.1	0.6	2.8	25.9	8.4	4.4	2.1	1.7	2.7	5.7	2.2
MAFG	3.4	3.8	3.8	4.9	4.9	4.3	2.9	3.4	5.2	4.8	5.1	4.2	4.8	5.8	5.9	4.0	4.7	4.5	3.8	6.7	4.6	3.8	3.7	3.7	5.2	5.4	4.5	3.6	3.3	3.6	2.9	4.3	9.0	8.7	5.7	4.0	4.9	4.5	4.0	3.4
MAFK	13.5	20.5	20.7	12.0	20.6	18.3	11.8	10.9	29.4	31.6	23.9	36.7	31.3	48.0	34.1	23.5	42.2	33.2	23.2	27.7	25.4	30.2	30.6	26.6	22.4	30.7	24.7	38.9	34.6	29.5	31.1	39.4	34.7	45.0	19.3	28.9	28.8	46.7	28.4	19.5
MAGED1	17.2	17.5	16.9	19.5	24.7	16.7	17.4	21.0	24.4	16.0	27.5	22.3	20.7	24.3	24.6	24.4	19.0	21.4	19.4	25.4	23.1	24.4	20.4	21.8	14.4	18.7	21.8	22.0	16.2	24.8	15.9	24.0	13.1	22.0	16.1	18.2	21.3	18.2	19.6	21.8
MAGED2	30.3	21.1	16.6	18.0	28.6	24.3	16.8	19.5	26.5	21.1	33.6	36.1	32.5	39.2	40.1	25.5	24.6	32.1	25.7	42.5	30.3	28.2	27.1	30.9	19.8	25.8	31.7	28.7	24.1	27.7	21.9	27.9	25.4	35.2	24.0	22.4	25.7	26.0	25.5	24.9
MAGEF1	9.2	8.6	7.2	6.5	9.6	8.4	8.2	8.4	9.0	6.3	7.9	9.4	6.2	8.9	10.3	8.0	8.0	6.9	6.4	9.8	6.8	8.2	7.7	6.9	7.3	6.9	7.3	5.8	7.9	8.5	6.6	6.8	4.7	7.4	7.9	5.9	6.3	5.4	6.3	8.5
MAGEH1	5.0	5.4	3.4	4.5	4.5	4.8	4.0	5.7	7.2	4.7	6.3	5.7	6.4	6.6	11.4	6.0	5.2	6.3	5.1	10.1	7.3	5.5	5.8	6.4	4.6	6.4	5.2	4.9	4.8	6.2	3.9	5.7	7.6	5.9	4.6	4.7	5.6	4.5	5.2	5.3
MAGI1	3.7	4.3	3.7	3.3	4.8	3.8	3.5	4.7	5.4	4.2	4.7	3.9	3.1	5.7	4.0	4.0	6.1	5.6	4.7	6.3	3.4	4.7	5.4	4.8	3.6	5.1	4.6	4.7	2.6	2.8	5.2	5.3	4.5	7.6	5.8	6.9	7.1	5.4	4.8	4.9
MAGOH	9.7	9.6	8.3	10.1	11.2	7.7	8.3	8.4	10.5	10.2	10.6	11.5	8.5	11.2	12.7	10.3	11.1	12.1	7.8	10.6	6.5	8.0	10.9	9.1	9.4	8.1	10.1	9.3	5.9	13.8	10.4	13.2	13.1	12.1	10.4	10.0	8.1	9.8	11.6	10.7
MAGT1	9.3	9.7	8.1	8.2	9.7	7.5	8.6	8.9	11.2	9.8	9.3	8.9	7.9	9.9	8.7	8.1	8.2	10.2	9.3	12.9	9.8	8.6	11.5	10.7	6.8	9.7	11.3	8.9	5.5	6.8	8.3	10.8	10.3	12.1	10.2	10.1	11.1	12.4	10.7	9.9
MAK16	1.9	2.1	1.8	2.2	2.1	1.6	1.8	2.0	2.8	2.1	1.9	2.0	2.3	2.9	2.6	2.5	2.5	2.8	1.8	2.6	2.1	2.0	2.1	2.4	1.9	2.1	2.8	2.7	1.4	2.5	2.3	3.1	3.4	3.3	1.5	2.5	2.6	2.9	2.9	2.1
MAL	1.4	2.6	3.8	2.4	3.4	1.6	1.4	2.4	0.9	1.0	1.4	2.5	1.1	1.7	2.8	0.6	3.6	0.9	2.0	2.1	1.7	1.2	2.2	2.0	2.1	1.0	2.2	1.4	1.2	2.1	1.4	1.1	3.1	1.1	2.0	1.0	1.5	2.4	3.2	2.5
MALL	3.7	1.9	2.7	4.4	2.8	1.4	2.0	2.4	4.2	5.4	3.6	3.4	5.2	2.6	7.0	2.5	3.6	3.8	4.6	3.2	4.0	3.1	3.2	2.6	0.7	2.5	1.4	2.6	2.1	1.3	3.0	3.7	4.9	3.2	1.3	1.3	2.4	2.2	1.6	2.5
MAMDC2	4.7	6.7	5.2	2.4	10.5	4.9	4.3	7.0	8.2	4.4	2.5	1.6	4.9	2.5	14.1	7.3	4.1	4.0	3.4	8.2	5.9	4.1	4.3	2.7	4.6	6.9	9.6	3.3	1.6	4.5	2.6	2.2	7.6	10.9	2.4	8.3	7.7	7.9	18.6	6.3
MAML1	3.3	4.3	3.4	3.8	5.9	3.7	3.7	3.8	4.7	4.1	4.0	3.6	4.6	4.3	4.7	4.0	4.1	4.7	4.2	4.9	4.2	3.8	3.6	3.9	3.4	4.7	4.5	4.5	2.7	3.1	3.5	4.1	8.2	4.9	4.4	4.8	5.9	4.8	6.1	5.5
MAN1A1	5.3	4.9	4.0	3.1	6.7	5.3	3.7	8.4	6.2	3.7	2.8	1.8	5.2	3.1	5.9	5.3	6.9	5.6	4.4	8.3	8.3	2.7	2.3	2.1	3.0	5.0	7.4	3.3	2.9	2.2	2.6	3.1	24.9	8.5	2.7	6.4	8.9	6.4	9.3	5.3
MAN1A2	2.1	2.1	2.4	1.7	2.2	2.1	1.8	2.3	3.5	2.0	2.1	1.2	1.5	2.7	1.3	1.7	2.6	3.4	2.6	4.7	2.4	2.4	2.4	2.0	1.5	1.9	1.8	2.0	1.1	1.1	1.4	1.8	2.4	3.3	1.5	2.7	3.5	2.1	1.8	2.7
MAN1B1	6.5	6.1	5.1	6.1	7.9	7.0	5.2	6.4	9.4	6.9	8.0	7.3	9.2	11.9	11.6	7.5	7.9	7.3	7.9	9.0	7.8	8.6	7.3	7.4	7.5	7.1	8.1	8.5	7.4	8.2	6.7	7.4	10.6	8.5	7.1	6.5	8.1	5.3	8.0	7.0
MAN1C1	3.8	3.0	2.0	5.4	4.7	3.4	3.2	3.1	4.9	2.3	3.7	3.7	4.7	4.7	6.0	3.6	3.0	3.8	3.3	5.2	4.0	3.8	2.6	2.8	2.5	3.8	2.5	3.5	4.0	3.8	3.1	2.9	3.1	2.9	3.3	1.9	2.5	1.6	1.6	3.4
MAN2A2	13.9	14.9	17.3	14.2	11.3	14.4	11.9	11.3	11.4	10.1	15.1	6.2	12.1	12.5	11.0	10.4	7.6	8.5	10.1	9.8	12.0	12.4	9.2	8.4	6.9	9.8	18.9	14.9	7.1	9.4	12.4	10.6	12.2	10.6	12.0	12.6	15.9	13.2	14.8	11.5
MAN2B1	5.6	4.3	4.5	5.7	11.2	7.1	4.8	6.8	6.1	3.0	4.4	2.7	6.7	6.3	9.0	5.6	5.7	4.7	4.4	7.7	6.3	5.3	3.3	3.7	3.5	3.5	4.6	4.5	3.9	5.5	3.3	5.1	16.6	6.2	2.9	5.1	7.4	5.0	5.5	5.5
MAN2B2	6.0	5.8	4.3	5.4	9.0	6.7	5.5	6.2	6.6	5.6	6.6	6.0	6.9	5.9	13.1	5.8	8.0	7.0	6.8	7.7	6.1	7.9	7.5	6.1	3.9	6.8	4.6	7.2	5.6	4.8	4.3	5.9	10.3	8.3	4.5	6.6	5.8	7.9	7.7	5.4
MAN2C1	14.2	14.7	16.0	15.4	22.7	15.9	15.3	18.0	27.4	17.3	18.4	24.0	17.8	17.6	21.9	19.1	21.0	18.4	17.3	17.1	16.7	17.4	15.5	15.5	24.5	21.1	22.2	27.7	15.2	21.3	19.7	21.0	28.2	23.1	19.1	16.8	17.6	19.4	20.3	15.9
MANBA	3.9	4.4	2.7	3.8	5.0	4.5	2.6	4.9	4.3	4.0	4.8	4.8	5.3	5.2	6.2	4.4	5.2	4.5	3.8	6.6	4.9	3.4	3.9	4.3	2.8	4.3	2.8	3.9	3.5	4.0	3.0	3.2	6.8	5.3	3.5	3.2	4.3	3.1	3.6	4.1
MANBAL	6.6	9.2	10.4	10.6	11.8	7.7	8.2	7.5	10.8	9.7	10.3	9.5	8.2	13.6	16.6	9.9	9.5	8.8	10.6	11.9	11.2	7.6	11.6	9.7	9.6	9.3	10.6	11.2	8.4	11.2	8.8	10.9	10.8	10.3	12.0	9.0	9.6	7.5	12.3	8.4
MANF	12.3	10.3	9.9	25.6	11.0	11.5	13.0	12.8	12.4	10.7	9.7	11.7	14.3	19.7	18.6	12.5	13.8	10.4	8.7	18.6	12.7	12.7	15.8	11.9	10.4	10.6	13.3	9.6	10.3	13.2	10.3	17.7	18.5	20.7	11.7	11.7	14.8	14.9	17.3	10.2
MANSC1	1.8	2.4	2.1	2.8	3.3	2.7	2.2	2.7	3.6	2.6	2.5	2.4	3.2	3.3	4.9	3.5	3.0	2.1	2.4	3.8	3.6	2.7	2.2	2.4	1.3	2.2	2.3	2.1	1.8	2.1	2.7	2.7	5.1	2.3	1.6	2.1	2.7	1.6	3.3	3.1
MAOA	29.7	32.3	29.3	23.4	35.7	30.1	30.6	28.7	24.1	28.7	19.1	29.5	24.1	36.3	19.4	34.5	41.1	26.3	24.0	23.1	38.5	25.9	29.8	35.4	19.1	18.4	38.4	18.6	21.7	33.8	14.2	21.7	33.3	27.7	16.9	33.8	19.7	24.3	43.1	24.7
MAOB	41.9	41.8	34.0	23.2	33.6	36.9	32.1	40.0	38.9	33.1	43.7	43.2	33.9	30.0	33.2	45.4	28.4	43.5	33.6	37.0	36.3	37.0	42.6	49.4	30.5	28.9	41.7	38.2	24.2	33.6	30.7	39.1	19.6	37.8	34.6	37.2	38.5	25.4	38.9	43.1
MAP1A	7.6	6.4	4.1	3.8	14.8	8.8	4.3	7.1	11.4	6.8	6.8	9.5	11.8	23.1	20.2	9.1	13.5	7.7	7.0	14.2	6.7	8.7	9.2	10.1	6.2	10.1	6.2	4.0	15.3	5.6	8.6	9.1	7.9	14.5	5.0	10.7	9.0	11.0	7.8	5.2
MAP1B	5.2	5.7	6.0	16.6	8.3	4.2	5.0	6.3	8.8	5.8	5.0	3.4	6.6	21.1	9.0	5.9	12.5	8.2	5.9	14.6	9.3	7.4	7.3	3.9	8.7	6.6	4.1	4.3	8.0	7.6	6.7	8.7	17.5	6.1	18.1	18.1	11.9	7.8	3.8	
MAP1LC3A	24.4	22.3	20.8	22.4	26.1	21.5	22.6	17.5	17.7	19.4	20.8	24.6	23.8	19.5	17.9	25.4	22.5	21.2	26.3	19.3	23.3	15.9	19.9	17.2	22.7	16.7	24.1	14.4	15.3	26.4	17.4	18.8	26.7	23.4	26.9	17.5	18.9	18.4	21.2	16.0
MAP1LC3B	35.4	46.0	35.3	35.5	48.0	38.0	36.3	35.8	38.2	36.2	39.9	37.7	44.9	44.2	35.8	44.9	39.7	36.9	31.1	36.4	37.3	35.0	37.0	35.3	30.9	33.0	47.3	39.8	33.6	40.5	33.4	43.6	56.2	42.0	36.1	45.6	43.9	39.2	46.7	36.2
MAP1LC3B2	8.0	12.2	8.2	6.3	11.8	7.3	10.0	11.4	12.0	12.3	15.2	12.4	10.2	10.1	10.7	13.7	12.1	12.0	9.5	9.8	10.2	6.3	12.4	12.6	6.1	9.1	12.8	8.4	6.9	9.2	10.0	13.5	15.5	12.9	9.7	14.0	9.6	7.6	14.9	10.4
MAP1S	2.4	2.6	2.8	2.7	3.4	2.7	2.0	2.2	3.3	2.4	2.9	3.4	3.1	4.0	4.6	2.4	2.9	2.5	3.2	3.3	3.7	2.6	2.6	2.8	2.3	3.7	3.3	2.1	3.6	2.0	3.5	5.1	3.9	2.6	2.8	3.5	3.3	3.3	2.7	
MAP2	1.4	1.4	1.2	0.8	2.2	1.6	0.8	1.8	2.0	2.9	1.9	1.1	1.6	1.4	5.5	2.1	1.6	1.6	1.3	3.4	1.4	1.3	1.5	2.6	1.6	2.3	2.1	2.6	1.6	1.4	0.9	1.5	1.8	4.1	4.8	1.5	1.7	2.6	2.4	1.6
MAP2K1	10.1	13.9	11.7	9.0	11.2	8.7	10.1	11.5	10.7	9.3	9.4	10.0	9.8	11.6	11.5	11.1	9.5	9.7	9.2	9.9	9.0	8.0	8.6	8.7	6.9	9.8	9.9	10.0	8.1	8.1	9.5	13.5	14.4	13.8	8.6	12.5	9.8	12.4	13.7	9.0
MAP2K2	25.9	26.0	26.5	27.0	32.6	31.0	25.4	29.8	26.6	24.7	26.5	26.7	27.9	31.2	29.8	25.0	24.9	20.0	28.5	22.1	29.5	25.9	25.0	21.9	22.3	23.2	28.1	30.4	22.7	28.5	33.2	29.9	30.0	26.8	27.8	24.6	32.9	28.0	25.1	22.9
MAP2K3	9.7	9.8	9.9	8.6	12.7	7.3	7.2	7.8	17.9	14.7	15.4	13.3	13.0	19.0	13.6	15.1	11.8	12.7	11.8	12.2	15.0	12.8	9.6	12.4	10.1	12.2	9.4	12.9	12.0	11.4	18.8	19.4	9.2	17.5	10.3	17.0	12.6	29.6	11.1	9.6
MAP2K4	7.0	6.9	6.6	8.4	6.9	6.9	5.8	7.1	7.0	6.7	7.1	6.1	7.2	7.4	5.7	7.9	5.1	6.9	7.1	6.7	7.3	7.0	7.0	6.4	5.2	5.9	7.1	7.7	4.9	4.9	6.1	7.1	5.9	7.5	7.1	7.0	8.3	7.3	7.4	7.3
MAP2K5	2.9	3.9	3.5	4.8	5.1	4.0	3.1	3.8	4.8	4.2	4.3	5.3	5.2	5.1	6.0	5.1	5.5	6.0	4.2	5.5	5.5	4.6	5.6	4.6	5.4	4.1	3.4	4.6	3.7	4.6	4.1	4.5	5.9	5.3	4.4	4.5	5.1	5.3	6.5	4.0
MAP2K7	4.4	4.8	3.9	5.2	5.9	5.4	4.5	4.5	6.1	4.8	6.0	5.6	5.1	6.4	6.4	6.8	6.1	5.1	4.9	5.0	5.2	4.6	5.3	5.0	5.7	4.9	6.3	6.3	6.1	4.8	5.2	4.6	8.1	5.2	4.6	5.6	5.4	4.7	6.8	5.3
MAP3K10	2.3	2.4	2.5	3.6	2.9	2.6	2.4	3.1	2.6	2.7	2.8	2.6	3.8	4.4	2.6	3.1	2.7	2.9	2.5	3.0	2.8	2.7	2.3	2.5	2.0	2.4	2.8	3.0	2.6	2.3	2.9	3.2	3.4	3.1	2.7	2.8	3.3	2.9	2.6	2.5
MAP3K11	8.7	7.3	6.6	8.5	8.5	9.7	7.4	7.6	9.7	8.2	8.1	9.6	10.5	8.4	12.3	7.4	6.2	7.5	7.9	10.3	11.2	8.9	7.0	7.5	5.8	7.4	7.4	7.6	7.7	9.7	7.5	7.8	12.9	9.8	7.3	6.7	8.4	8.8	8.2	7.3
MAP3K12	1.3	1.4	0.9	1.4	2.0	2.1	1.4	1.5	2.8	1.5	1.9	1.9	3.1	2.4	5.1	1.4	1.8	2.6	2.1	3.5	3.3	1.6	1.7	1.1	1.2	2.6	1.5	2.0	2.4	1.9	1.7	2.0	6.2	2.2	1.3	1.7	2.3	1.8	1.5	1.5
MAP3K14	4.0	2.9	2.3	5.7	3.2	2.9	2.4	3.1	4.5	2.3	3.1	2.9	3.2	3.2	3.9	2.6	2.1	2.5	2.0	3.0	2.9	2.9	3.1	2.8	2.3	3.6	2.3	2.4	2.5	2.9	2.9	3.2	4.2	2.4	2.1	3.4	2.2	2.9	3.8	4.1
MAP3K3	8.1	9.4	8.2	12.2	11.6	8.3	7.8	9.3	15.2	17.1	10.7	12.7	14.0	16.4	16.8	13.5	25.9	13.1	13.7	12.1	14.3	13.6	15.6	14.4	11.6	13.9	19.5	16.6	11.3	11.4	13.8	13.4	26.5	19.2	10.9	17.6	19.4	23.2	25.4	13.0
MAP3K4	5.9	4.1	3.9	5.0	5.1	4.0	3.5	3.9	5.0	5.2	4.7	4.5	4.8	5.3	3.7	4.4	4.7	4.4	3.8	3.7	4.3	3.7	4.5	4.5	3.2	4.7	3.9	4.3	3.2	3.1	4.1	4.1	5.6	4.3	3.0	4.0	4.7	3.5	3.8	5.8
MAP3K5	7.5	8.0	5.6	6.2	8.0	8.2	5.1	8.3	6.9	5.8	6.3	6.2	4.8	4.6	4.9	5.4	5.0	7.5	4.6	7.6	5.7	5.7	5.1	8.0	6.5	6.7	7.2	5.9	3.9	5.0	5.0	5.3	6.4	7.6	6.2	5.3	6.8	5.4	6.6	6.4
MAP3K6	7.0	12.5	10.6	15.5	13.1	11.7	8.4	10.2	9.4	7.2	6.6	8.4	7.3	8.8	13.3	7.7	6.4	8.5	10.0	7.3	9.0	6.3	5.7	7.1	12.3	11.0	13.9	10.2	9.8	15.5	11.8	14.2	21.9	21.7	14.2	14.5	20.1	17.6	16.4	6.1
MAP3K7	7.4	7.2	7.4	7.6	7.3	6.4	6.4	7.8	8.7	7.1	7.1	9.4	7.0	6.3	9.2	6.4	7.9	8.9	7.9	11.4	8.7	9.1	8.5	7.9	7.9	6.2	6.8	9.3	9.1	4.6	5.4	6.4	9.4	9.4	8.3	10.2	11.8	11.0	8.4	8.0
MAP3K8	1.2	1.7	1.6	2.7	2.7	1.9	2.1	1.4	1.9	1.5	1.4	0.9	2.0	1.4	3.1	1.3	2.0	1.0	1.5	1.9	1.7	1.1	1.1	0.9	1.2	3.1	1.0	1.6	0.9	2.4	0.6	1.3	12.0	1.8	1.2	1.3	2.1	1.5	2.8	1.1
MAP4	76.4	85.7	86.9	89.8	70.7	69.7	65.7	71.4	106.1	109.7	128.4	90.0	102.9	169.2	129.7	91.6	188.2	142.1	86.7	89.1	107.8	105.5	120.1	95.1	56.9	118.5	150.2	161.0	101.7	101.4	123.0	133.9	97.3	160.0	72.4	143.1	164.1	158.1	142.1	105.4
MAP4K2	2.5	3.0	3.1	1.9	2.4	3.2	2.0	3.1	2.8	1.8	2.6	2.7	2.7	2.1	2.5	2.2	2.0	2.3	3.1	3.2	2.9	2.4	2.7	3.0	1.6	1.5	2.4	2.3	1.4	2.1	3.1	2.5	4.1	2.4	1.8	1.8	2.9	2.0	2.1	2.5
MAP4K3	9.3	8.7	7.9	7.2	8.4	5.8	7.4	7.6	7.9	8.3	7.7	8.5	7.4	8.2	5.6	7.5	8.1	8.4	7.6	9.7	7.9	7.8	10.4	8.3	6.9	8.8	9.6	8.7	4.2	6.7	9.2	8.8	8.6	8.0	7.0	9.0	9.1	7.4	10.2	10.5
MAP4K4	14.6	13.5	10.5	11.7	16.7	12.6	9.5	13.5	16.9	17.5	13.5	13.1	18.6	22.2	14.4	13.9	19.7	17.3	14.8	15.0	12.7	13.3	14.4	12.4	9.5	16.5	13.3	16.0	14.6	10.4	13.8	16.3	20.2	17.5	15.3	13.2	18.5	15.6	14.0	16.6
MAP4K5	3.9	3.3	2.9	3.9	4.5	3.0	2.9	3.9	4.3	3.4	3.1	2.8	4.2	4.7	4.8	3.5	4.5	3.7	3.9	6.6	3.9	3.4	3.2	3.0	3.6	5.3	3.9	3.7	2.5	2.8	3.2	4.4	8.9	5.5	2.7	3.9	6.0	4.0	4.0	4.4
MAP7D1	49.1	57.9	40.7	38.4	49.4	50.2	40.4	49.5	55.5	45.3	48.4	48.0	43.3	39.4	43.6	53.9	40.2	39.5	42.0	39.5	39.1	45.8	47.4	46.2	41.4	52.0	53.9	36.8	42.8	41.9	49.6	34.5	59.8	50.2	50.7	51.3	37.8	62.4	44.8	
MAP7D3	3.8	3.8	4.3	4.3	4.0	3.8	2.9	4.0	6.2	5.9	4.9	5.8	4.7	7.1	4.8	6.0	4.8	4.3	6.3	5.8	4.6	5.6	4.6	4.1	5.7	4.6	4.1	3.5	3.8	4.1	3.8	4.9	8.2	5.2	3.8	4.6	5.6	4.6	5.4	
MAPK1	11.5	12.5	14.0	10.7	17.2	12.0	12.0	16.7	16.5	13.8	13.2	10.9	12.9	18.2	12.1	12.2	14.9	16.4	14.1	16.7	12.9	14.0	13.0	13.4	10.0	14.3	12.6	15.5	10.0	10.4	10.7	13.3	17.7	19.4	12.7	18.1	17.6	16.6	14.5	15.4
MAPK11	2.8	2.5	3.1	2.7	3.2	2.1	1.8	2.3	3.7	3.2	3.7	3.5	3.9	3.3	5.4	2.4	3.1	2.2	3.1	3.0	5.2	3.3	3.3	2.9	1.9	2.8	2.3	2.8	3.0	4.3	3.8	4.5	7.3	3.5	2.5	2.8	4.0	4.4	3.2	2.4
MAPK12	3.4	3.6	2.5	2.3	6.0	4.2	1.8	3.5	4.3	5.0	3.5	4.6	6.8	6.4	5.2	3.4	3.9	4.4	3.7	3.2	3.9	2.2	3.6	2.6	3.0	3.4	5.7	4.8	5.1	4.3	5.3	3.6	3.0	5.0	4.3	3.0	5.5	3.2	4.5	2.9
MAPK14	5.2	6.5	6.1	6.7	5.6	5.6	4.9	5.8	7.4	5.5	7.6	5.9	6.4	7.5	6.8	6.2	7.6	8.4	6.8	5.9	8.2	6.7	6.2	6.2	6.6	3.8	5.4	7.2	5.5	4.3	4.5	5.0	5.9	7.8	5.9	5.5	6.0	5.6	7.0	6.9
MAPK1IP1L	7.1	6.7	7.0	8.0	7.5	6.5	5.8	7.4	9.4	8.1	7.8	9.0	7.6	8.2	7.9	8.4	8.0	8.4	7.9	8.5	7.6	7.1	8.9	6.8	6.6	7.7	8.8	8.1	5.6	7.8	6.4	8.8	8.9	9.8	8.5	7.5	8.7	7.2	8.5	7.7
MAPK3	13.4	12.4	9.8	13.1	17.8	16.8	13.1	14.2	16.5	12.9	15.9	16.6	12.9	18.4	28.7	14.9	15.4	13.5	16.0	19.2	18.9	14.6	13.9	16.8	14.6	15.6	12.5	16.1	13.4	14.8	14.6	11.5	22.9	14.2	12.8	10.8	11.9	10.2	14.0	14.5
MAPK4	6.4	6.1	10.4	9.9	5.4	2.8	4.4	5.9	7.3	11.4	10.2	13.2	11.7	15.2	5.4	8.4	18.3	8.4	10.1	6.1	11.3	13.1	10.8	5.6	4.7	3.6	12.1	10.7	3.1	8.3	8.9	6.1	5.7	7.9	9.8	9.5	9.9	15.1	8.5	6.1
MAPK6	3.0	3.1	3.8	3.4	3.2	2.8	2.3	3.0	4.0	3.6	3.5	3.2	3.3	3.0	2.6	3.2	3.4	3.9	3.4	4.8	3.6	3.2	3.6	2.8	3.3	4.7	3.4	3.7	2.0	2.3	3.6	3.8	5.3	5.6	4.3	4.6	5.4	4.8	4.4	3.5
MAPK7	1.4	1.5	1.6	1.8	1.8	1.4	1.4	1.7	2.4	1.5	1.2	1.7	1.5	2.3	4.4	1.8	1.9	0.9	1.4	2.4	2.4	1.3	1.1	1.4	0.9	3.0	2.0	2.4	1.1	2.1	1.7	2.9	4.5	3.1	1.9	3.0	2.8	2.8	2.4	1.5
MAPK8	4.6	2.9	4.0	4.9	4.5	2.6	2.3	2.4	4.2	3.6	5.3	2.7	3.1	4.9	3.0	3.7	3.8	4.1	3.6	4.7	3.9	5.5	3.1	3.8	2.6	4.2	4.5	4.8	1.9	2.4	2.1	3.6	5.4	4.6	4.2	4.8	5.1	3.7	4.3	4.3
MAPK8IP3	9.8	10.9	10.6	11.5	15.7	10.0	9.4	9.6	12.6	13.8	12.3	13.3	12.5	12.2	13.2	12.9	11.4	11.1	12.0	10.0	13.1	12.7	11.9	10.8	9.0	11.4	19.5	15.4	8.3	13.5	14.2	14.1	15.7	13.7	12.3	14.3	19.4	24.8	16.7	11.7
MAPK9	7.6	8.4	7.7	8.1	9.7	7.3	7.9	9.2	9.1	8.3	9.5	7.0	8.1	10.0	6.7	8.7	7.0	8.4	8.6	9.6	7.6	8.6	8.4	8.3	6.2	7.1	9.8	8.4	5.1	7.4	6.7	8.0	6.5	8.2	7.3	8.9	8.1	7.8	8.1	9.2
MAPKAP1	22.6	23.2	21.1	23.0	23.6	18.1	20.5	25.6	18.3	17.6	18.5	18.3	22.9	27.1	19.7	19.9	22.7	19.4	18.8	17.7	20.0	22.5	20.9	19.4	13.9	15.7	22.1	22.6	16.5	18.8	17.2	20.1	17.7	21.6	19.9	20.6	23.2	24.7	23.6	20.6
MAPKAPK2	39.2	48.1	42.3	64.0	53.8	43.1	46.2	50.0	50.2	47.7	49.1	48.6	46.6	63.2	38.7	55.8	44.3	42.9	39.7	45.9	37.6	42.3	43.0	45.0	37.4	41.9	49.0	48.2	39.5	45.2	38.4	53.3	35.1	54.9	50.6	41.2	56.6	49.3	44.9	45.2
MAPKAPK3	119.9	106.8	107.1	98.4	118.3	115.1	111.1	95.7	96.8	86.7	131.2	78.5	100.7	95.9	57.8	125.5	72.9	85.9	79.5	70.9	79.2	94.7	95.4	84.0	65.9	64.4	117.2	119.8	51.9	86.0	83.3	90.2	42.2	72.2	94.2	68.6	130.2	59.7	87.8	114.8
MAPKAPK5	5.0	5.2	5.0	6.4	5.4	5.7	4.1	4.3	5.1	4.2	4.5	3.9	4.6	4.9	5.2	5.2	5.2	5.1	5.1	5.3	4.9	4.1	5.0	4.9	4.6	4.3	5.8	5.6	3.5	5.0	3.1	5.3	6.5	5.8	5.2	4.7	6.0	5.4	5.8	5.3
MAPRE1	15.8	14.4	17.2	15.9	16.9	13.5	13.8	14.6	18.7	18.0	19.6	16.7	21.5	23.5	20.6	15.9	20.4	19.7	17.7	19.4	17.8	20.2	18.1	17.1	12.2	18.4	19.0	18.5	12.7	21.3	18.2	19.6	29.5	26.3	22.5	20.5	21.4	23.7	24.6	19.4
MAPRE2	29.1	38.0	41.4	24.6	45.1	23.5	28.3	23.7	38.2	40.6	41.1	40.7	39.7	57.5	45.5	32.6	48.2	53.8	35.5	35.2	43.0	44.8	44.9	39.3	29.6	40.7	72.9	55.4	26.3	30.3	47.5	58.0	44.2	63.3	44.5	67.6	70.8	93.0	65.0	36.9
MAPRE3	12.7	11.2	10.7	14.3	14.6	17.8	14.9	13.7	17.4	12.8	16.6	13.6	19.2	18.5	16.7	18.8	13.7	15.1	12.8	14.5	15.4	14.8	13.4	10.4	17.4	12.7	15.2	16.0	12.8	15.5	15.1	16.6	11.5	16.0	18.5	14.0	16.1	15.3	17.0	12.4
MAPT	2.5	5.2	4.8	6.3	1.3	1.4	2.4	3.9	2.5	5.4	3.7	2.8	3.5	7.1	5.1	3.4	5.3	1.9	8.7	2.9	5.8	5.1	4.5	7.2	1.7	3.8	1.6	6.8	1.6	5.0	5.1	5.2	2.4	1.2	7.8	3.6	6.2	4.8	3.5	6.3
MARCH2	14.8	19.3	20.2	19.7	23.4	19.0	18.4	28.2	22.8	24.1	17.7	20.4	18.1	24.7	27.0	17.6	24.2	21.9	24.3	28.8	24.6	20.5	19.7	19.8	14.9	19.8	19.0	19.8	13.6	24.6	22.1	16.7	15.6	23.2	17.4	20.8	22.1	17.7	16.6	14.5
MARCH3	2.1	2.5	2.7	3.0	2.6	2.0	2.4	2.7	3.4	4.4	3.0	5.4	2.0	5.3	3.5	2.8	5.3	3.9	3.6	4.2	3.1	3.3	4.6	5.7	2.7	3.8	3.0	3.7	2.8	3.1	3.2	4.6	2.7	3.0	2.3	3.6	2.5	4.1	3.3	3.6
MARCH5	4.2	4.0	3.8	3.7	5.2	4.3	3.2	3.2	4.4	3.9	3.7	3.5	4.2	5.4	4.0	3.9	3.7	4.3	3.9	4.8	4.4	3.9	3.7	3.6	3.0	4.0	4.7	4.3	3.1	3.7	4.4	5.4	5.6	6.8	3.7	7.6	5.9	8.6	6.0	3.8
MARCH6	11.6	9.1	10.5	8.8	10.7	8.2	8.1	10.2	13.7	9.5	11.9	7.3	5.7	8.6	4.1	8.7	10.1	11.5	11.2	15.1	8.3	9.3	9.1	9.4	8.0	7.4	9.3	6.3	3.5	4.2	6.3	8.0	12.4	13.6	9.9	10.2	11.8	6.5	8.1	12.2
MARCH7	15.5	18.7	15.0	14.1	15.8	13.6	14.1	14.4	18.7	14.2	15.4	14.1	14.8	20.2	12.4	14.7	16.4	16.6	14.5	16.7	14.0	15.4	18.2	15.2	10.7	15.2	13.5	15.4	8.1	12.4	12.7	14.9	16.5	13.4	12.4	14.9	18.8	12.8	15.1	20.0
MARCH8	8.4	6.8	4.1	5.8	6.5	5.3	5.2	7.1	7.0	5.5	6.4	5.3	5.9	6.2	5.1	8.2	6.6	5.7	6.1	8.6	6.0	7.2	6.7	7.6	4.2	4.4	7.8	6.3	3.8	3.0	3.8	5.1	7.4	6.4	5.4	5.2	6.3	4.9	7.2	8.3
MARCH9	2.5	2.3	1.8	2.3	3.1	2.9	2.2	2.5	2.7	2.5	2.4	3.3	3.1	3.9	2.8	3.2	1.9	2.1	2.1	2.6	2.3	2.7	2.4	2.4	2.1	2.5	2.9	2.5	2.6	3.0	3.0	2.8	3.5	2.4	2.4	2.3	2.9	2.7	2.6	2.3
MARCKS	4.4	2.8	1.3	2.7	3.9	3.6	2.7	4.4	4.5	2.4	4.5	3.1	8.0	5.4	11.0	1.8	3.1	3.8	2.5	6.4	5.6	3.4	5.1	4.2	1.9	6.2	2.1	3.6	5.0	3.0	3.0	4.7	5.0	3.6	1.8	1.9	2.6	2.1	2.8	5.4
MARCKSL1	6.6	4.1	2.8	8.3	4.2	4.0	4.5	4.8	6.0	5.2	3.8	4.3	6.9	5.4	8.6	5.0	3.9	6.8	3.8	12.4	8.5	6.2	2.7	2.9	4.2	6.4	2.1	4.4	4.6	5.2	4.5	6.1	14.2	6.1	4.1	3.1	6.4	5.6	3.5	2.9
MARCO	1.7	1.8	0.2	7.2	0.3	0.7	0.9	0.6	0.8	0.7	0.4	0.5	0.1	5.6	0.4	2.8	1.6	0.6	5.0	7.6	1.1	0.0	0.7	0.0	0.1	1.2	0.9	0.6	0.5	0.5	0.1	0.0	2.2	0.3	0.1	7.2	0.6	0.4	0.1	1.3
MARK1	2.9	2.5	2.5	2.8	3.3	2.6	2.3	3.2	3.7	2.8	2.6	2.7	2.4	4.2	2.8	2.9	3.2	2.9	2.4	3.6	2.9	2.8	3.3	2.7	3.2	3.0	2.3	1.9	2.0	2.4	3.3	2.4	3.5	2.4	3.2	3.6	3.4	3.0	3.0	
MARK2	6.1	7.2	4.7	6.8	6.8	5.5	5.8	6.8	7.0	6.3	6.5	5.9	5.2	6.8	6.4	6.2	5.4	5.3	6.1	6.2	6.0	5.2	6.8	5.8	5.1	6.5	7.0	6.9	4.3	5.0	4.9	5.3	7.5	6.2	5.7	5.3	6.6	5.7	7.1	6.1
MARK3	23.2	20.6	17.6	23.0	27.4	18.6	23.6	19.0	15.1	13.7	14.1	13.5	18.1	19.5	15.1	18.8	13.1	12.1	14.4	13.1	18.3	14.6	14.3	13.6	16.9	12.5	19.1	16.0	10.0	14.7	12.3	13.2	23.1	21.4	21.1	17.4	22.0	12.1	28.3	14.9
MARK4	2.9	2.8	2.6	3.3	2.9	2.7	2.0	2.4	2.9	3.2	3.5	3.4	2.6	3.1	3.7	3.4	3.3	3.3	3.1	3.4	3.0	2.8	3.1	2.4	2.8	3.7	3.1	3.3	1.9	2.7	2.7	2.8	4.9	4.0	2.8	3.7	3.3	3.6	3.6	3.0
MARS	12.4	12.3	12.3	15.4	11.9	12.3	10.4	13.3	15.5	14.6	13.8	14.9	16.9	16.2	14.6	14.4	12.7	13.5	14.2	14.8	16.0	14.7	14.3	14.5	9.7	13.8	15.2	14.7	10.9	12.3	12.3	15.2	14.7	16.4	10.8	15.2	16.1	15.5	14.1	11.4
MARVELD1	1.9	1.8	1.7	1.7	3.0	2.4	1.6	2.3	4.0	2.7	3.5	1.7	4.5	4.5	11.3	2.2	3.5	2.4	4.0	2.9	4.9	2.9	2.5	2.7	1.8	4.6	1.8	2.9	5.1	1.6	1.4	1.7	5.5	3.5	1.7	3.2	2.5	3.1	2.4	1.8
MASP1	41.8	32.5	12.5	14.3	67.8	50.4	12.8	44.3	54.3	46.2	39.7	82.2	26.8	69.6	42.9	29.1	46.0	55.5	38.1	54.1	39.1	50.2	53.4	60.5	46.5	44.3	46.8	33.2	35.8	37.5	16.6	25.7	13.1	54.5	34.6	26.6	24.3	23.0	24.3	33.1
MAST2	20.5	23.1	20.2	21.2	25.6	16.6	19.2	20.1	16.9	21.7	15.8	26.9	22.8	24.9	20.5	18.7	23.2	22.4	23.6	15.8	23.0	18.1	21.3	24.4	12.0	19.9	19.8	21.7	16.8	19.2	26.4	18.5	18.3	26.1	25.9	19.3	28.7	24.6	27.3	23.2
MAST4	10.7	5.2	6.8	5.9	9.7	7.2	7.3	11.3	9.4	6.5	8.6	4.5	8.4	8.7	3.8	7.1	6.7	9.5	9.1	11.2	5.5	7.8	4.8	6.9	11.4	8.2	7.5	6.7	3.5	5.6	5.4	5.7	9.9	18.3	10.9	16.0	11.5	8.0	7.7	6.1
MAT2A	40.8	44.9	44.2	52.7	45.7	45.1	35.7	46.7	48.1	46.5	44.2	43.2	47.8	54.3	53.0	45.5	51.0	48.8	39.2	58.2	56.0	39.1	54.2	51.4	50.2	50.5	42.4	43.6	34.9	64.7	50.6	52.2	137.7	79.7	67.4	46.6	75.9	57.3	59.2	43.2
MAT2B	17.5	19.8	14.6	13.8	18.1	17.9	15.3	17.1	21.8	15.5	19.8	22.6	20.5	17.2	19.4	22.4	16.0	21.3	16.9	19.1	17.2	23.2	19.0	20.6	14.3	14.4	22.3	19.7	13.4	14.7	15.8	18.8	19.7	21.0	15.0	17.3	18.2	15.8	24.1	20.3
MATN2	6.0	4.9	2.9	1.4	9.1	7.1	3.3	7.5	13.5	5.7	11.4	4.2	11.4	8.1	29.4	4.4	5.9	9.3	6.1	30.3	12.6	10.9	7.9	8.0	9.3	13.3	11.4	9.7	9.1	10.7	5.2	7.9	15.8	15.5	8.7	5.5	13.1	8.6	12.7	7.6
MATR3	32.5	35.3	28.6	28.9	36.4	31.7	28.1	29.6	35.3	34.1	32.5	31.0	39.2	36.1	33.7	30.5	35.2	37.2	30.9	39.3	31.8	30.8	37.9	33.0	28.0	34.8	34.7	32.1	24.4	35.7	27.7	33.2	41.3	38.5	35.7	30.6	38.9	28.9	40.6	38.0
MAU2	7.6	10.5	7.4	6.6	11.4	8.6	6.6	7.3	10.6	8.7	9.5	11.2	9.3	9.4	11.4	8.9	10.3	9.5	10.0	10.8	9.4	9.5	8.5	9.2	8.2	10.0	12.6	11.8	6.9	9.2	12.0	8.7	13.1	11.4	9.4	10.9	10.8	11.1	13.3	10.7
MAVS	4.2	5.9	4.4	4.9	4.5	4.6	3.5	5.1	5.2	4.5	5.2	4.3	3.5	4.6	3.6	5.7	4.5	5.5	4.9	4.9	4.6	4.2	4.4	4.1	2.9	4.2	6.3	6.2	2.7	2.2	3.3	3.9	5.4	5.7	3.7	5.0	6.1	4.6	6.3	4.8
MAX	10.6	11.5	8.8	13.9	12.2	10.8	10.2	10.6	10.9	11.0	10.1	9.9	15.0	11.9	14.5	10.2	11.0	10.7	10.7	12.6	11.5	10.6	9.6	9.4	13.8	12.6	15.5	13.8	9.6	16.4	11.0	10.8	25.7	17.1	16.0	13.7	15.8	13.4	15.9	12.1
MAZ	8.8	9.2	7.1	10.5	9.5	7.1	6.9	8.5	10.6	7.2	9.5	8.0	8.9	11.7	15.1	8.1	8.6	8.3	10.4	11.1	9.6	7.2	7.3	7.7	7.3	9.1	8.3	10.4	8.8	6.3	8.0	9.1	16.6	10.3	9.5	8.5	9.5	7.0	9.3	7.1
MB	4955.4	4299.3	4464.8	3472.0	5451.1	4785.7	5012.9	3746.1	4257.9	4133.1	5931.3	6403.4	4529.1	3497.4	3246.4	6128.6	3095.7	4269.6	4554.5	4722.2	4659.9	4807.4	4457.2	5226.0	3833.7	2935.8	5486.7	4171.8	3155.1	4933.5	3933.6	4894.6	1885.4	4789.8	5711.1	4331.0	4233.8	3212.8	3775.5	4802.6
MBD1	7.6	8.1	5.8	8.9	8.5	6.5	6.7	6.8	10.2	9.5	9.5	10.0	9.1	10.1	9.4	7.3	8.0	8.4	9.2	8.8	10.2	8.4	8.2	9.1	5.9	8.0	8.8	10.2	6.2	6.6	7.0	7.5	10.5	10.6	7.5	8.6	10.8	9.4	9.0	7.5
MBD2	4.9	4.8	5.1	6.0	6.0	5.0	5.4	5.3	5.0	4.2	4.1	3.8	5.5	5.6	7.9	4.9	5.3	3.8	4.1	5.7	5.7	4.0	4.7	4.5	4.2	5.6	4.9	4.3	3.9	4.5	3.5	5.3	9.5	5.3	4.7	4.4	5.2	4.5	6.1	5.3
MBD3	12.3	11.7	10.9	13.7	15.8	11.3	14.3	14.6	15.8	15.5	11.7	12.4	15.9	21.7	14.7	13.6	12.6	10.2	15.8	10.8	15.8	11.2	11.3	10.8	12.8	10.0	13.8	16.8	12.8	15.8	12.3	16.7	15.0	16.7	15.7	14.1	15.6	17.6	15.3	9.6
MBD4	5.0	6.2	6.5	7.1	6.1	5.5	5.7	5.1	6.4	7.4	5.8	6.2	7.9	7.3	6.6	6.2	8.3	5.3	6.6	6.3	6.3	6.2	6.0	5.9	6.4	6.3	7.8	6.4	4.6	6.6	4.7	5.5	10.8	8.6	9.3	6.7	9.1	6.5	7.8	7.0
MBD6	5.7	7.3	6.4	8.8	8.2	9.3	7.0	6.4	9.5	6.7	7.4	9.6	6.9	6.5	11.8	7.2	9.0	6.5	8.4	9.8	9.0	6.2	7.0	7.1	8.3	8.1	9.9	9.5	6.7	7.7	8.2	7.7	13.8	8.1	8.6	7.7	8.7	7.2	9.6	8.8
MBIP	3.3	2.7	2.3	3.1	3.9	3.5	3.4	3.0	4.5	3.8	4.5	3.7	3.9	4.8	6.6	3.6	2.1	3.6	2.7	3.5	3.4	2.8	4.9	3.7	3.9	4.0	3.7	4.3	2.5	2.1	3.9	4.3	5.4	3.2	3.1	3.2	4.5	2.7	4.1	4.4
MBNL1	23.8	23.4	23.2	19.1	26.5	18.6	18.6	23.2	25.4	21.9	19.5	16.9	18.9	23.7	23.0	21.1	24.2	24.1	21.3	27.5	22.6	19.9	22.3	19.9	21.2	25.3	31.4	21.6	14.1	15.3	23.9	26.3	40.2	36.0	29.9	36.0	36.0	29.2	32.6	26.6
MBNL2	13.2	12.0	13.6	10.7	14.8	10.4	10.7	15.5	14.7	15.4	10.2	11.0	11.7	12.7	8.6	14.2	13.6	17.1	15.2	14.0	14.5	11.4	14.1	12.1	12.5	15.6	17.4	13.0	7.1	7.7	13.0	14.1	19.9	25.3	16.4	18.7	19.9	15.3	27.3	16.9
MBNL3	1.5	0.2	2.1	1.7	1.3	1.3	1.5	4.0	0.8	0.6	0.4	0.3	0.7	0.4	0.5	0.9	0.7	0.2	0.3	1.1	0.7	0.7	0.3	0.3	0.9	0.5	1.1	0.5	0.5	0.8	0.6	0.7	1.5	2.0	0.4	3.3	2.2	1.5	0.6	0.5
MBOAT2	1.9	1.8	1.5	2.3	0.5	1.5	2.3	1.5	2.0	2.3	2.4	0.7	2.6	4.1	1.7	1.1	2.6	1.9	2.2	2.8	2.6	2.0	2.1	0.8	0.6	1.8	1.4	2.0	1.4	1.6	2.0	1.7	3.3	3.2	1.2	4.6	5.7	2.9	3.5	1.3

NBLA00301	1.1	2.2	1.4	1.5	2.1	2.7	1.1	3.2	4.3	5.3	3.9	3.7	4.5	4.7	3.7	3.6	4.8	2.0	3.7	5.4	1.7	3.8	4.4	4.4	3.5	3.2	3.6	4.5	1.6	4.7	3.9	3.1	1.5	2.3	2.7	2.6	2.1	2.1	1.7	2.1
NBN	3.9	2.7	2.7	3.7	2.6	2.7	2.8	4.0	4.6	3.8	3.7	2.4	3.4	3.0	2.4	2.7	3.3	3.7	3.3	4.2	3.5	3.4	3.2	2.9	2.7	2.9	3.5	3.1	2.0	2.1	2.5	3.2	4.9	4.2	2.8	3.8	4.5	3.0	4.0	4.4
NBPF1	1.5	0.8	1.0	1.0	1.4	1.1	1.8	1.8	3.2	0.7	2.5	0.9	1.3	2.1	2.4	1.3	1.5	1.5	2.2	3.5	2.2	1.7	1.5	1.7	1.1	1.1	0.8	1.0	0.7	0.6	1.5	1.7	2.9	1.3	1.2	1.8	1.6	0.7	1.0	2.1
NBPF10	1.7	1.1	1.4	1.4	1.4	1.3	1.7	1.7	3.1	1.6	2.0	1.1	1.3	1.9	1.5	1.8	1.9	1.8	1.7	3.4	1.8	1.6	1.7	1.9	1.3	1.4	1.1	1.4	0.8	0.6	1.1	1.7	3.1	2.3	1.1	2.6	2.0	1.5	1.2	2.6
NBPF11	2.1	1.6	1.9	1.5	2.5	2.2	1.6	1.9	2.7	1.3	1.7	2.0	2.2	2.6	2.8	1.8	2.2	1.9	2.2	3.3	2.8	2.3	2.3	2.3	1.7	2.1	2.3	2.1	1.9	1.9	1.7	2.0	4.2	2.6	1.7	2.5	2.6	2.1	2.2	2.8
NBPF14	5.2	4.6	2.2	2.7	6.3	3.3	4.8	2.5	6.6	7.0	5.4	6.2	6.4	10.2	7.9	3.3	5.2	7.8	6.0	9.2	4.1	6.9	2.8	3.6	3.7	8.0	3.7	5.7	4.3	4.6	4.8	3.6	10.2	10.1	3.9	6.3	4.4	7.5	3.0	3.6
NBPF16	3.6	2.4	2.2	1.7	4.2	2.9	3.2	3.7	4.3	2.3	1.2	3.3	3.6	4.3	5.0	3.0	3.4	3.6	2.4	3.9	4.5	1.9	3.2	4.3	2.7	3.7	2.6	2.8	3.2	2.9	3.8	2.9	8.7	3.6	2.2	3.4	5.3	1.9	2.9	3.3
NBPF9	2.3	2.0	1.6	2.1	2.5	1.4	2.3	2.5	4.2	1.8	2.1	2.6	1.6	2.5	3.0	1.9	2.3	2.7	1.4	3.6	2.2	2.1	2.3	2.9	2.2	2.5	1.5	2.7	1.6	1.6	2.4	1.8	5.1	4.2	1.2	2.3	2.4	1.8	2.2	3.1
NBR1	23.0	26.5	22.3	23.1	27.7	23.0	20.9	27.4	29.0	28.0	26.5	26.6	28.0	26.4	27.4	28.0	27.7	30.4	23.1	29.1	25.8	27.2	28.8	27.4	19.1	23.4	27.0	25.3	19.8	18.2	21.8	25.5	25.5	30.9	22.8	28.1	29.0	31.5	32.6	27.7
NCALD	3.9	3.4	2.6	2.3	3.7	3.2	3.4	3.8	3.1	2.1	2.5	2.3	2.5	2.0	4.8	2.5	1.2	2.1	2.2	3.7	2.8	2.5	2.1	2.8	2.2	4.4	2.8	3.4	2.5	2.9	2.5	2.1	2.4	3.1	2.6	2.0	2.5	1.3	5.0	3.1
NCAM1	51.0	80.4	41.3	70.2	82.7	59.5	47.3	60.4	61.8	42.0	47.6	46.5	54.0	97.3	56.5	53.1	69.1	62.3	51.9	45.7	53.5	51.8	50.2	45.6	50.8	48.4	60.3	55.2	50.2	52.1	57.4	63.8	40.2	72.8	53.9	56.0	80.1	66.0	59.8	41.8
NCAPD2	2.2	2.4	1.8	2.4	2.8	3.0	1.6	2.9	3.2	2.7	2.4	2.6	3.8	3.7	3.5	3.5	3.3	2.6	2.7	3.8	3.5	2.8	2.7	2.7	1.7	2.3	2.8	2.8	2.2	2.3	1.9	2.4	4.7	3.5	1.9	2.7	3.0	3.0	3.5	2.7
NCAPH2	5.9	5.9	3.4	5.7	6.7	5.1	4.6	5.2	7.4	6.5	6.5	7.7	9.1	6.9	7.3	5.8	6.0	5.4	8.2	7.0	7.0	5.0	6.0	7.6	6.1	6.0	7.2	8.2	5.6	8.4	5.8	6.8	9.2	9.6	8.8	5.9	7.0	4.9	7.1	5.8
NCBP1	3.8	3.5	2.8	3.3	3.4	2.4	2.5	3.7	4.1	3.7	3.1	2.5	3.5	3.7	2.1	2.9	3.3	3.8	3.7	4.3	3.8	3.1	3.3	3.4	2.0	2.9	2.7	2.9	1.8	2.0	2.3	3.1	3.6	4.0	3.0	3.4	4.7	2.5	3.1	3.6
NCBP2	9.7	10.5	10.3	11.6	9.3	8.7	7.6	8.9	11.6	10.0	10.4	10.8	13.6	12.5	13.1	8.7	10.9	11.5	10.3	13.4	11.6	10.2	11.4	10.3	10.1	10.2	10.8	14.7	8.0	11.5	9.6	11.4	14.7	14.1	12.0	12.3	13.2	11.5	13.8	11.4
NCDN	4.6	5.2	3.7	4.0	6.0	6.9	5.0	6.7	7.9	6.3	7.8	7.3	6.8	10.1	9.8	7.6	7.2	9.2	6.4	8.5	6.0	7.3	7.4	7.8	5.7	6.4	6.0	7.4	5.9	7.5	6.0	7.8	5.6	11.3	5.8	7.0	8.5	8.3	7.3	5.4
NCEH1	8.4	9.0	9.2	8.4	11.1	9.9	8.8	12.7	9.6	4.9	8.5	7.5	6.0	5.7	3.0	8.4	3.4	7.9	4.9	8.6	6.9	8.0	7.3	9.1	5.6	7.3	11.6	8.8	4.3	6.1	7.1	7.2	3.6	8.2	5.2	10.1	8.1	7.6	11.1	15.7
NCF1	1.1	1.2	0.6	0.4	3.0	0.9	1.8	1.1	2.8	0.6	0.4	0.1	2.7	0.6	3.3	1.0	1.3	0.9	0.8	2.0	2.0	1.1	0.6	0.8	0.1	0.8	0.6	2.0	0.5	2.3	0.6	0.8	6.8	0.7	0.6	1.3	1.6	0.2	3.3	1.4
NCF2	2.0	1.1	0.7	0.8	2.0	1.4	3.1	2.4	2.3	1.5	0.5	0.2	3.3	0.5	3.5	2.3	2.8	1.7	1.6	2.5	2.5	1.0	1.1	0.9	0.2	1.3	1.2	1.9	0.4	1.5	0.5	1.7	5.8	1.4	0.3	1.4	1.9	1.3	2.8	2.3
NCF4	1.8	1.1	1.5	1.7	4.1	2.2	3.2	1.8	3.1	1.5	2.3	0.5	3.4	1.5	3.0	1.9	1.8	1.9	2.0	2.9	3.2	1.5	0.7	0.6	0.4	1.6	0.5	1.7	0.7	2.0	0.2	1.2	7.3	1.7	0.9	1.6	1.3	1.3	2.0	1.6
NCK1	4.4	5.1	5.7	5.2	5.5	4.7	4.3	6.1	5.5	4.3	4.8	4.4	4.8	5.4	8.9	4.2	4.1	5.4	4.4	6.2	5.2	4.9	5.0	4.0	3.4	5.5	6.4	5.0	4.2	4.1	5.9	5.4	10.2	5.7	4.1	4.3	6.3	5.0	5.5	6.0
NCK2	7.2	7.5	7.2	8.6	10.2	6.7	8.7	6.7	8.1	6.4	7.2	5.0	8.7	12.0	11.9	7.3	7.5	7.0	6.9	7.3	8.0	8.1	6.3	5.6	6.4	7.5	6.7	9.6	7.0	6.5	8.4	9.5	13.8	9.1	7.9	8.9	9.7	9.9	9.3	7.2
NCKAP1	35.5	29.7	30.7	34.1	41.4	28.3	31.7	34.1	37.7	30.2	32.9	27.3	29.7	41.9	21.9	33.0	33.1	34.5	33.3	34.3	33.7	34.3	30.1	30.8	19.9	27.5	30.1	28.3	19.7	19.8	26.2	31.2	31.8	37.6	29.4	34.2	38.8	35.5	32.4	34.7
NCKAP1L	1.6	1.0	1.1	0.9	2.2	1.4	1.0	2.0	1.8	0.8	0.6	0.2	3.1	0.2	2.0	1.2	1.8	1.6	1.4	2.5	1.4	0.6	0.5	0.6	0.3	0.8	0.6	0.6	0.4	0.6	0.2	0.7	6.3	1.3	0.2	0.7	1.2	0.7	0.8	1.3
NCKAP5L	5.0	6.1	4.6	5.8	4.2	5.2	3.7	5.8	6.0	4.1	5.6	5.1	5.5	5.6	6.4	4.1	4.4	4.2	5.0	4.8	5.6	5.6	5.7	5.0	4.5	6.1	5.4	7.3	5.0	5.4	6.2	6.1	5.2	6.3	4.2	4.1	5.6	7.1	5.5	5.3
NCKIPSD	3.9	6.3	4.8	6.3	8.2	8.3	6.0	8.2	10.3	6.5	7.3	10.3	7.9	8.0	15.1	10.6	11.4	6.3	6.3	9.7	9.4	5.5	5.8	8.8	14.3	12.1	12.6	11.8	9.6	9.3	9.7	11.8	20.3	14.8	8.0	9.3	18.6	11.7	11.5	4.7
NCL	51.6	61.9	49.1	60.3	52.4	49.1	46.8	50.7	62.8	59.1	64.7	60.2	71.0	64.1	78.7	61.8	72.1	61.9	56.3	68.0	62.7	52.2	66.6	59.8	50.8	63.0	72.8	62.4	48.2	72.8	47.2	66.4	87.4	73.8	59.7	61.0	61.1	61.2	76.7	67.7
NCLN	3.6	4.0	4.0	5.0	5.3	4.4	3.7	5.1	4.2	6.6	5.1	5.2	4.4	6.5	5.3	4.4	5.6	4.3	5.1	5.4	7.0	4.4	4.6	4.0	3.7	4.7	4.3	4.9	4.7	4.5	4.0	5.4	6.2	6.1	4.0	4.6	5.9	5.7	3.9	3.5
NCOA1	9.1	7.9	7.1	9.9	10.1	7.3	7.4	8.6	9.0	6.0	7.7	5.4	6.5	8.7	6.8	7.2	7.2	7.6	7.5	9.5	9.0	7.8	7.4	7.4	6.1	6.7	7.0	7.3	4.8	5.4	6.3	7.1	9.8	8.5	6.3	7.8	10.0	6.6	7.7	10.0
NCOA2	6.6	4.4	6.5	3.2	4.1	4.6	3.5	6.1	7.5	4.0	6.9	2.9	1.4	3.7	0.8	3.2	5.0	6.4	6.1	7.4	3.6	4.3	5.5	4.0	2.7	2.4	4.0	4.2	0.8	1.0	3.0	3.0	3.8	5.6	4.1	5.4	5.7	2.9	2.7	6.9
NCOA3	4.2	4.6	6.5	5.2	5.7	5.3	5.3	6.1	5.3	4.0	4.3	3.0	3.3	4.5	3.1	4.5	5.0	4.4	5.2	4.8	3.7	3.7	4.4	3.8	3.9	5.0	5.6	4.4	2.4	3.0	4.9	5.4	12.1	8.2	5.7	8.2	8.6	4.5	5.9	5.4
NCOA4	68.4	69.2	61.3	51.7	72.4	58.4	62.0	72.8	60.4	53.9	67.1	47.7	55.5	52.5	45.1	59.2	51.8	66.0	50.6	65.6	51.9	67.5	60.6	61.8	38.6	50.5	73.1	65.6	34.2	49.6	47.1	62.6	56.8	69.0	64.9	76.1	73.8	59.7	68.0	73.7
NCOA5	5.0	4.1	3.9	5.3	4.9	3.3	2.8	4.2	5.2	4.2	4.7	5.3	5.5	4.8	7.5	4.9	4.6	4.8	5.7	5.5	5.7	4.0	5.0	5.0	4.6	3.3	4.7	5.1	3.6	4.9	4.4	5.1	7.9	7.1	6.7	4.7	5.5	4.8	6.2	3.7
NCOA6	4.1	5.1	4.1	5.3	4.5	4.6	3.4	5.1	5.3	4.3	5.0	4.2	4.8	4.4	5.0	5.2	4.3	4.5	4.5	5.2	5.5	4.5	5.4	4.7	3.1	5.2	6.0	6.1	3.7	3.4	3.9	4.7	6.3	5.7	3.7	4.8	6.5	4.7	6.1	5.0
NCOA7	1.4	1.3	1.5	1.7	2.1	1.3	1.8	1.7	2.3	1.4	1.0	0.8	2.2	1.6	2.8	1.2	1.7	1.2	1.4	2.9	1.6	1.3	0.9	0.9	1.8	3.2	1.1	1.4	1.7	2.9	1.2	2.1	9.7	2.4	1.4	2.3	1.9	1.7	2.5	1.5
NCOR1	6.8	6.6	6.5	6.8	6.8	5.8	5.1	8.3	8.3	6.7	6.6	6.4	6.1	7.2	6.0	7.3	7.9	8.5	7.4	8.8	6.8	7.0	7.7	7.4	4.4	6.2	6.2	7.8	3.6	3.9	5.4	6.2	8.7	8.7	5.7	7.3	8.0	6.0	6.4	8.5
NCOR2	9.6	10.8	7.1	10.2	14.3	9.1	8.0	11.3	12.4	10.8	10.5	10.5	10.0	10.2	18.4	11.3	10.4	9.2	11.1	12.7	12.6	10.9	11.0	10.4	7.6	13.2	9.3	12.5	9.3	7.7	9.7	11.0	15.5	14.2	8.7	9.5	13.5	11.8	10.0	10.9
NCRNA00116	6.8	3.9	10.9	10.6	7.0	10.4	5.1	7.8	3.4	10.6	9.0	10.6	10.9	12.5	10.5	6.5	10.3	9.2	9.3	9.8	9.1	6.8	6.7	8.5	3.4	6.5	10.8	12.1	10.6	12.5	12.7	8.8	5.5	8.3	7.5	10.6	10.5	7.8	6.5	9.1
NCRNA00152	1.1	2.5	3.1	0.9	1.9	1.8	0.8	1.2	3.9	2.5	3.4	3.6	4.9	7.6	5.7	2.1	6.9	5.5	4.3	5.9	4.9	1.4	2.3	1.2	4.7	2.9	2.4	2.1	3.4	2.8	4.8	9.2	7.5	6.0	1.2	5.6	3.6	4.0	3.1	1.2
NCRNA00188	30.3	34.2	24.2	30.2	34.2	19.1	26.5	28.6	27.4	28.5	34.9	34.5	24.2	25.0	42.7	26.0	34.3	31.2	30.6	37.9	38.6	24.1	30.8	25.8	29.4	35.9	38.9	39.9	17.1	29.6	28.6	27.7	64.6	34.4	36.2	29.1	29.8	25.4	36.3	25.5
NCRNA00201	4.4	4.4	2.9	3.7	3.8	4.2	2.5	2.9	3.9	4.4	3.8	3.8	5.1	2.7	3.7	3.2	3.1	3.8	3.3	6.9	5.0	3.6	3.7	3.9	3.7	4.7	4.1	4.6	2.8	5.4	4.4	3.5	12.0	6.6	5.5	2.6	6.2	3.3	4.9	4.4
NCRNA00219	2.1	2.0	1.8	1.4	3.3	2.3	1.9	1.2	1.9	1.0	2.3	2.3	2.1	2.7	4.0	1.7	1.7	1.0	1.3	3.4	2.4	1.5	2.2	1.8	3.9	3.0	3.1	2.2	2.2	2.6	2.3	1.7	6.5	3.2	4.4	2.4	2.9	1.5	3.6	3.0
NCRNA00275	5.6	5.6	3.1	5.7	10.9	3.6	6.9	4.1	6.5	6.6	5.9	25.3	7.7	6.3	15.0	4.9	8.0	5.0	5.7	10.5	8.2	4.5	4.5	4.9	7.5	9.3	7.2	7.4	5.6	7.4	5.3	4.8	26.4	7.4	6.2	6.9	5.8	4.9	8.8	5.8
NCSTN	21.4	19.3	18.8	23.0	22.6	20.6	19.7	21.3	28.5	23.0	24.2	22.6	22.9	22.9	27.1	22.9	21.2	20.9	20.2	22.6	26.8	25.2	22.9	20.3	16.5	20.4	25.1	21.7	15.2	21.2	17.6	20.2	20.6	21.1	16.8	17.8	20.7	18.9	20.4	23.4
NDE1	1.6	2.1	1.7	2.1	2.5	1.7	1.4	1.7	2.9	2.7	1.7	2.1	1.9	2.8	3.7	2.1	2.5	1.9	2.9	3.1	2.6	2.1	2.5	2.5	1.3	2.9	1.7	2.0	1.5	1.8	2.0	2.2	4.8	2.7	1.7	2.6	2.7	3.2	2.9	2.4
NDEL1	6.8	7.0	7.1	6.7	8.9	7.1	6.4	7.9	9.1	8.8	7.2	6.8	8.9	10.0	11.6	10.7	8.0	7.4	8.2	9.2	9.1	8.5	6.2	6.6	10.1	13.5	9.9	11.0	7.5	11.4	7.6	10.3	20.5	14.1	10.5	12.2	12.1	11.5	13.5	8.1
NDFIP1	14.8	15.4	12.4	12.8	19.9	14.4	13.1	16.2	20.3	14.8	17.5	18.5	17.4	17.9	22.7	18.7	13.8	16.9	15.8	23.3	18.3	14.0	17.2	16.3	12.8	17.6	16.2	15.9	12.3	13.4	12.2	16.3	17.3	20.0	15.9	15.9	15.3	12.1	16.9	17.2
NDFIP2	4.0	3.2	3.7	3.8	4.8	3.8	3.9	4.4	4.6	3.4	4.9	3.5	3.9	5.5	2.6	5.2	2.7	4.6	4.0	4.5	4.1	3.9	4.1	3.6	2.6	3.0	3.4	4.2	2.2	3.0	3.5	4.5	3.1	4.7	3.3	4.3	4.6	3.8	4.5	4.0
NDN	8.0	6.1	6.7	5.1	8.6	7.4	5.7	6.3	9.2	5.7	10.2	10.3	7.5	7.6	12.9	10.8	6.6	7.0	9.4	10.8	12.3	9.7	9.3	8.9	7.5	7.5	10.0	9.8	6.1	9.1	9.7	10.9	6.9	10.2	8.8	9.5	9.7	6.7	7.9	7.8
NDNL2	6.4	5.4	5.5	6.1	4.2	4.5	4.6	6.3	6.3	5.7	6.1	6.1	5.7	5.1	7.0	6.6	5.1	5.5	5.6	7.3	5.3	5.8	5.8	5.9	4.6	5.3	5.6	6.9	4.6	5.4	4.1	5.2	6.8	5.6	6.4	4.6	5.3	4.0	4.8	5.7
NDOR1	2.1	2.1	2.0	2.2	2.9	2.2	1.5	2.2	2.8	2.2	2.8	2.7	2.8	3.6	3.1	2.0	1.8	1.9	2.1	2.5	3.2	2.4	2.1	2.3	2.1	2.1	2.7	2.6	2.0	2.2	3.4	2.0	3.2	2.7	2.0	2.4	2.6	2.8	3.1	1.8
NDRG1	28.0	25.0	19.7	17.2	30.2	27.3	23.4	15.8	34.5	31.3	26.3	27.4	32.5	22.5	65.6	42.4	29.5	23.2	34.5	39.8	40.8	22.4	25.4	23.4	17.9	44.7	32.1	26.6	19.9	30.1	26.6	26.4	89.6	35.1	25.9	26.4	27.0	27.6	40.9	23.9
NDRG2	89.2	116.5	88.0	93.2	128.4	109.8	96.6	140.7	95.6	73.9	86.4	98.0	81.7	92.2	84.6	94.4	88.8	97.6	73.0	101.8	72.3	85.5	94.0	92.7	79.8	79.6	107.0	90.9	71.9	85.2	71.9	85.0	73.2	112.2	86.8	100.9	110.9	81.6	112.7	95.2
NDRG3	10.1	9.6	8.0	9.2	12.3	9.6	8.2	10.1	9.6	7.5	11.4	7.8	8.7	13.7	13.0	10.0	7.2	10.0	7.2	11.5	8.4	10.8	8.9	9.7	7.1	7.8	9.7	10.6	8.2	9.2	10.3	8.6	7.7	8.4	8.1	7.8	9.8	7.3	9.9	10.8
NDRG4	151.8	199.7	196.1	158.1	187.9	191.3	193.1	168.5	161.3	160.6	191.6	132.3	119.6	132.1	79.1	167.9	124.7	138.5	169.1	102.1	104.1	131.1	148.3	128.4	114.1	108.1	187.4	172.7	70.5	136.4	137.5	152.4	81.4	136.3	181.6	173.3	145.1	155.8	180.6	147.9
NDST1	6.6	7.8	6.4	9.6	7.1	6.0	6.2	8.5	9.9	7.2	8.0	6.4	6.4	8.5	8.5	7.0	8.4	7.3	7.3	8.2	8.7	8.6	8.4	7.5	4.1	6.2	7.7	8.2	5.1	4.4	6.3	6.7	7.7	7.9	5.0	6.4	8.7	9.1	8.0	8.1
NDST2	2.1	2.9	2.8	2.1	2.9	2.8	2.3	2.6	3.9	3.5	2.7	3.2	2.9	3.0	4.7	3.3	3.3	2.9	3.1	4.5	3.6	3.0	2.9	2.7	2.3	3.0	3.4	3.4	2.9	2.3	2.4	2.7	5.6	3.3	3.2	3.1	4.1	3.4	3.8	3.2
NDUFA1	346.9	295.2	340.3	277.9	216.1	209.0	305.8	249.9	258.5	271.9	370.0	313.2	241.3	221.3	197.5	296.8	210.6	290.3	299.3	260.1	218.6	213.7	302.0	269.1	223.3	198.6	340.0	290.9	154.2	335.3	379.5	308.9	158.1	275.1	311.3	303.0	250.5	182.4	288.4	267.2
NDUFA10	21.7	22.5	24.9	22.4	21.2	25.2	18.1	22.8	24.6	25.1	31.9	24.3	28.2	22.6	20.3	25.8	17.0	26.1	22.9	21.8	23.2	23.0	24.0	27.0	20.3	18.5	23.5	20.5	18.0	28.9	22.4	24.6	11.8	23.7	22.0	21.4	25.3	19.3	22.8	23.2
NDUFA11	87.1	99.8	94.4	106.3	116.7	108.8	111.0	106.0	93.5	92.0	97.2	133.8	93.6	92.4	82.5	91.0	91.7	86.1	101.9	87.9	93.8	95.0	102.4	100.7	97.3	81.0	102.1	123.6	84.7	117.9	101.4	109.5	71.2	102.6	111.8	93.0	107.6	94.2	96.3	87.0
NDUFA12	95.2	93.8	108.4	117.2	95.3	85.1	106.3	101.6	93.4	89.1	90.8	114.1	88.5	86.8	81.2	94.2	88.6	95.2	99.8	86.9	86.3	82.5	94.7	94.4	77.3	68.6	105.1	103.1	59.5	99.7	103.1	96.2	60.6	88.3	98.5	88.4	85.8	64.3	93.4	99.4
NDUFA13	289.6	309.5	322.0	278.9	241.3	250.8	321.4	262.9	244.3	251.1	289.6	295.6	228.4	184.4	197.6	248.8	243.2	241.1	285.7	231.6	216.8	224.5	285.3	254.4	264.2	175.8	274.8	318.6	175.8	289.5	336.0	287.9	142.3	249.1	359.5	263.7	219.5	225.8	261.4	263.5
NDUFA2	41.3	47.1	43.4	35.5	42.7	41.1	48.1	36.9	35.4	31.7	44.7	47.5	40.8	33.8	31.5	39.1	30.4	35.4	38.8	34.0	37.4	33.8	36.4	34.6	38.4	31.1	50.7	48.0	32.6	48.2	49.8	40.4	26.7	36.1	42.3	40.4	36.0	31.0	38.5	38.3
NDUFA3	166.6	147.9	184.0	188.4	119.5	142.4	149.6	160.6	137.3	136.0	163.7	158.5	111.9	96.7	121.2	168.6	135.2	133.7	171.2	120.9	124.1	135.9	180.1	142.2	144.2	102.5	156.3	180.4	81.7	162.0	188.9	186.6	66.3	107.0	154.2	152.3	103.5	113.3	147.8	149.7
NDUFA4	198.4	201.9	189.9	168.5	202.3	189.3	200.5	186.3	145.0	147.4	186.9	195.9	178.6	145.7	123.2	178.1	143.4	101.4	165.3	161.4	153.3	172.5	176.2	178.5	124.9	117.1	175.4	175.5	106.3	181.0	170.1	164.4	88.0	106.7	194.6	168.4	170.2	131.0	167.1	181.3
NDUFA4L2	21.0	16.6	20.3	30.1	37.3	36.9	19.1	26.1	32.9	26.6	18.8	28.3	20.1	26.5	46.1	19.0	30.2	19.3	27.7	26.1	34.3	22.1	20.5	23.1	26.8	29.8	13.1	21.5	34.7	28.9	22.3	29.3	16.1	21.3	19.5	21.0	15.0	13.7	16.0	23.0
NDUFA5	88.8	82.7	81.9	88.0	84.1	74.3	86.6	94.6	76.9	78.3	77.8	82.2	79.9	62.2	56.7	97.5	70.9	80.8	78.7	71.6	72.3	67.1	96.2	77.3	60.8	63.1	89.8	85.3	45.4	71.3	69.6	78.4	47.7	70.7	86.6	69.6	78.9	55.6	87.9	82.3
NDUFA6	65.6	72.7	76.4	73.0	65.9	61.9	78.2	73.1	56.8	61.2	72.7	80.4	54.4	52.4	45.8	69.9	66.7	62.7	84.3	54.8	52.8	59.6	75.9	67.5	52.6	44.5	67.3	75.4	36.7	62.9	61.7	68.9	44.1	50.6	76.7	62.4	52.2	52.1	62.5	65.1
NDUFA7	47.4	53.9	61.0	56.2	49.3	47.1	61.6	57.3	51.8	46.7	63.2	67.7	46.9	41.6	41.8	52.0	43.8	52.6	57.8	41.4	47.0	44.7	53.6	54.3	46.9	39.3	71.7	77.0	29.8	50.3	70.3	58.7	27.9	45.8	53.0	46.9	48.2	39.3	54.7	52.8
NDUFA8	91.5	87.8	98.7	78.6	91.8	93.0	91.7	91.8	90.1	93.9	114.9	106.7	94.1	85.2	80.5	94.1	81.6	96.4	96.8	95.1	94.1	93.2	110.3	100.7	81.9	76.6	110.8	100.0	74.6	110.3	104.5	101.6	48.6	97.4	102.3	89.0	98.5	80.1	94.7	97.3
NDUFA9	56.7	57.6	71.4	61.8	57.3	61.6	53.3	53.8	54.2	51.3	66.1	67.3	51.5	42.6	40.4	48.8	50.7	64.6	46.0	60.2	49.6	57.2	55.6	60.1	43.9	42.0	52.3	57.6	36.7	64.1	49.9	50.7	28.9	60.5	42.2	56.7	47.9	44.9	53.2	62.1
NDUFAB1	171.2	160.0	166.2	150.3	159.3	161.3	160.9	142.6	125.7	121.6	175.5	149.3	174.6	141.2	90.2	140.0	99.5	137.3	145.4	126.9	136.6	138.5	128.2	138.6	122.0	100.5	138.3	146.0	98.9	173.1	154.5	154.5	65.5	134.7	162.3	124.9	138.8	119.6	126.1	157.7
NDUFAF1	15.2	13.2	15.4	9.9	11.3	3.5	13.3	12.1	14.5	12.5	17.5	10.4	11.5	5.4	7.4	11.7	7.6	9.9	12.0	7.1	8.4	9.1	13.0	10.7	10.5	7.2	12.6	12.7	5.7	4.1	8.3	11.7	5.8	9.3	11.5	9.2	8.6	7.5	11.8	11.8
NDUFAF2	16.0	19.2	16.9	18.8	14.4	11.9	16.8	14.6	13.9	14.0	15.5	17.5	12.2	14.1	14.0	14.4	13.5	16.0	14.2	14.1	12.0	14.5	15.2	13.6	10.8	15.7	18.9	13.1	9.2	17.7	12.0	18.2	13.3	12.3	17.4	14.5	13.4	13.4	13.7	16.3
NDUFAF3	29.7	29.7	30.4	34.8	43.8	38.0	29.7	35.8	37.3	35.2	42.7	40.4	36.0	41.0	36.7	35.9	42.0	34.8	38.5	31.4	37.8	35.8	31.5	41.5	34.3	29.0	41.8	39.6	30.6	40.3	41.7	37.2	31.0	39.1	34.1	35.1	33.6	37.9	32.8	32.6
NDUFAF4	9.8	10.8	10.5	14.1	9.8	9.8	8.9	10.4	10.3	13.2	10.0	8.9	11.2	9.9	8.7	11.0	10.0	11.0	7.8	9.9	11.0	8.7	10.7	10.6	8.3	9.4	10.7	12.5	8.0	7.8	10.6	12.4	6.4	8.9	9.2	10.0	12.8	7.4	9.7	9.6
NDUFB1	149.0	155.4	159.2	152.4	103.4	112.6	152.6	141.8	116.7	104.7	135.7	126.5	99.5	76.8	92.1	115.8	97.8	111.7	124.4	114.6	70.8	93.8	131.9	118.5	108.4	101.3	145.1	120.8	61.5	117.9	196.2	126.9	64.9	104.5	154.4	119.7	91.3	81.3	142.2	154.7
NDUFB10	186.6	202.0	219.7	250.3	187.4	224.0	209.0	227.3	167.7	169.1	202.5	173.7	167.1	148.0	135.2	183.4	148.0	165.4	180.9	150.5	166.4	175.3	185.0	182.4	155.1	136.0	199.7	213.1	109.0	182.3	195.0	181.7	103.3	148.9	196.3	176.0	175.5	144.1	177.5	224.1
NDUFB11	83.2	104.2	116.9	111.1	112.7	94.2	90.6	100.8	86.4	77.1	102.5	108.4	103.0	86.2	74.4	95.4	82.0	79.2	88.0	80.0	92.5	79.7	94.6	91.9	89.4	67.7	112.9	98.7	70.4	111.5	114.4	99.2	64.3	80.5	114.1	84.1	90.1	71.0	87.7	108.3
NDUFB2	152.8	168.2	168.6	149.2	152.7	145.0	156.0	142.9	123.8	130.1	141.6	151.0	146.4	146.7	87.9	121.1	110.5	129.8	139.1	112.1	119.4	127.3	124.2	108.2	92.6	84.2	139.8	153.7	94.8	184.8	141.8	132.4	75.7	137.3	181.3	144.0	150.1	128.2	128.3	117.8
NDUFB3	105.3	98.1	112.9	94.5	77.6	77.7	94.6	91.7	83.7	79.8	106.1	88.6	70.2	67.6	58.4	91.6	61.7	94.8	91.0	86.0	63.4	71.4	100.1	81.0	66.7	66.6	101.3	85.3	48.8	79.1	98.9	98.3	39.8	84.5	104.4	89.7	73.3	56.5	93.7	100.6
NDUFB4	211.1	210.5	205.9	232.1	188.8	175.3	202.6	202.0	183.0	166.6	179.2	191.1	177.2	150.9	146.7	195.7	150.5	173.0	173.5	158.6	165.6	174.2	198.7	178.3	153.9	154.8	240.7	252.5	116.9	192.9	251.2	208.6	122.2	157.2	218.3	196.7	184.4	154.4	211.6	217.4
NDUFB5	62.4	59.6	66.2	62.8	51.0	66.3	58.3	66.3	62.9	64.6	78.4	70.2	71.4	63.7	50.3	54.7	57.5	77.4	63.2	62.8	58.2	58.0	67.1	64.1	53.7	53.5	67.5	75.8	37.3	71.4	58.6	60.9	35.5	67.6	76.2	63.4	63.1	47.3	59.4	74.8
NDUFB6	43.8	42.5	44.9	39.2	43.1	38.1	46.9	25.6	37.6	33.9	42.4	43.6	44.8	42.6	30.1	40.4	28.3	36.7	36.9	35.2	28.6	29.4	27.9	35.0	27.0	27.1	43.9	37.3	24.0	41.6	37.7	41.6	24.0	40.7	43.0	39.1	40.7	25.9	30.4	36.4
NDUFB7	130.9	151.0	144.6	149.8	146.7	122.3	172.4	138.8	123.4	112.5	151.2	152.5	115.3	100.7	109.1	112.5	107.4	115.9	151.0	109.9	113.3	120.7	132.2	128.2	128.8	100.4	165.0	169.9	97.2	149.8	177.4	141.9	81.2	130.6	166.7	130.6	130.3	124.5	130.1	133.7
NDUFB8	118.7	129.1	146.6	117.9	125.0	115.3	125.3	127.0	118.3	104.6	147.2	143.9	114.7	109.0	109.7	120.2	103.9	122.7	129.1	126.2	107.6	116.8	122.1	126.1	108.9	98.1	139.1	143.3	89.0	149.3	152.1	129.1	75.9	125.4	134.2	126.6	109.0	117.4	121.7	120.8
NDUFB9	206.3	216.7	238.5	219.1	178.9	178.2	213.2	202.3	175.4	149.6	188.2	167.8	140.2	133.2	153.3	193.1	137.7	148.0	184.4	169.3	164.1	191.7	189.1	197.2	173.0	135.5	217.3	190.2	117.3	205.5	227.3	197.5	110.7	157.2	216.7	186.7	160.4	149.5	184.9	223.5
NDUFC1	60.6	67.0	66.9	59.0	56.9	51.3	61.2	61.0	56.9	48.5	64.4	61.1	47.8	48.3	50.4	54.4	47.1	58.9	57.6	52.7	48.5	50.2	59.1	51.1	51.8	44.3	64.8	60.1	44.1	60.2	71.5	65.2	35.5	54.0	57.3	54.9	52.9	43.2	57.0	57.8
NDUFC2	13.3	13.2	14.4	15.9	14.9	14.1	15.3	14.1	14.2	11.9	15.6	15.1	14.5	12.0	13.3	13.7	13.3	12.1	16.1	13.3	13.9	12.7	13.7	13.3	12.6	10.5	16.5	16.2	10.1	17.3	14.6	14.0	10.7	11.1	17.0	13.8	14.0	12.8	14.4	14.4
NDUFS1	90.6	90.6	107.7	71.5	77.3	80.5	76.5	97.6	87.8	89.0	119.8	77.7	83.4	62.5	53.0	93.9	68.6	109.7	77.1	92.6	78.0	93.2	84.8	96.1	53.9	66.2	92.4	92.0	50.0	66.6	67.8	86.9	34.2	99.4	70.1	94.8	87.8	78.1	75.5	110.6
NDUFS2	71.7	82.7	83.4	79.9	56.8	72.8	79.8	74.1	73.9	61.5	83.3	64.7	62.8	63.0	55.0	75.9	54.4	77.9	64.1	65.8	60.2	69.1	71.6	65.7	67.3	50.9	81.9	88.6	43.2	84.1	63.8	82.2	41.5	78.7	76.2	77.5	70.2	69.6	79.5	75.0
NDUFS3	69.6	77.7	74.0	62.4	65.8	73.5	63.4	80.1	68.6	58.6	76.3	69.9	67.5	62.8	58.1	62.4	50.7	80.4	63.8	72.0	52.3	64.2	62.0	73.0	68.5	54.4	64.2	66.3	59.8	85.7	69.9	64.8	32.3	71.0	74.0	62.5	58.1	47.4	53.9	67.9
NDUFS4	54.2	69.7	75.4	58.1	53.6	49.6	64.1	60.4	46.5	40.7	68.6	68.5	51.1	46.7	45.9	56.0	43.9	58.5	60.3	58.8	56.2	57.5	58.6	51.4	39.3	40.0	67.6	71.9	34.7	61.1	52.5	53.2	38.9	54.8	74.2	53.5	60.8	42.7	65.8	57.4
NDUFS5	287.2	289.1	275.2	337.0	233.8	228.8	328.6	272.3	255.2	245.3	277.7	244.2	197.6	249.9	218.6	254.5	268.6	233.9	263.3	193.1	219.7	201.6	289.9	240.5	234.9	187.9	319.7	311.3	127.0	313.0	360.8	278.4	197.5	208.7	287.2	237.0	247.8	179.2	302.4	283.9
NDUFS6	123.6	130.5	145.8	139.1	98.3	103.9	115.0	116.8	98.0	98.6	125.9	112.4	77.1	75.9	88.7	99.2	76.8	109.0	113.2	91.1	91.1	91.7	111.6	82.3	102.6	76.7	126.8	125.3	66.9	111.3	135.2	113.4	65.9	86.6	119.3	109.9	90.2	78.2	120.9	113.0
NDUFS7	80.0	87.3	89.7	89.9	79.8	98.2	92.6	96.7	78.2	77.8	91.7	94.0	74.5	71.3	58.1	85.1	70.3	83.9	95.4	75.2	68.0	82.0	93.0	78.4	73.8	62.4	91.9	114.8	56.0	100.3	93.1	101.7	46.4	84.4	113.3	85.0	86.4	75.2	72.0	82.2
NDUFS8	83.7	100.0	93.4	90.8	110.0	120.2	95.7	113.4	88.0	81.9	87.8	99.9	93.2	79.5	75.2	88.2	76.1	76.7	107.2	72.9	84.4	98.4	90.1	98.4	86.4	73.3	97.8	119.8	70.5	101.1	121.5	100.1	46.2	85.5	106.3	89.3	87.0	81.2	80.2	97.4
NDUFV1	129.8	134.9	135.4	123.9	111.0	130.3	136.4	124.2	127.1	104.3	144.3	136.3	120.4	102.4	98.2	124.1	102.5	122.3	122.2	128.8	98.6	121.8	116.0	137.7	130.0	90.1	127.7	141.7	106.1	143.7	123.2	132.5	68.3	150.4	141.3	134.7	111.7	119.8	118.1	137.1
NDUFV2	136.2	144.9	154.7	142.0	126.8	124.6	140.4	134.6	121.7	110.4	130.5	120.4	124.1	103.9	84.3	134.3	95.9	125.1	112.0	107.5	107.6	111.7	115.0	115.2	96.9	100.0	142.4	136.4	80.7	129.4	145.1	143.1	71.9	104.1	128.7	119.0	119.3	97.5	124.3	144.2
NDUFV3	41.9	36.9	46.0	46.0	30.6	31.6	45.9	46.3	34.2	41.4	40.9	38.2	35.3	28.7	27.3	41.0	30.8	41.4	43.2	33.9	29.4	34.8	49.4	41.1	28.4	31.5	42.2	39.4	22.0	38.3	40.7	40.1	19.6	34.6	40.6	38.3	29.1	31.8	40.6	48.2
NEAT1	92.1	82.6	96.3	92.9	105.9	154.0	215.4	62.0	154.0	67.6	105.2	82.4	103.5	80.4	108.3	166.6	119.8	70.0	85.0	134.0	115.5	102.9	96.2	65.3	225.7	299.1	142.2	121.7	120.4	162.5	113.0	177.4	323.0	89.2	128.2	170.2	112.1	104.5	169.1	122.3
NEBL	188.2	143.7	139.7	146.7	133.0	140.9	128.9	132.7	182.9	117.1	164.4	139.2	104.4	145.0	62.0	123.9	121.9	151.0	147.5	158.2	108.4	131.3	131.4	132.2	111.6	91.4	114.4	128.1	66.8	99.7	122.1	95.5	56.8	127.1	121.8	132.6	167.0	80.3	91.2	159.6
NECAB3	11.0	12.0	10.9	10.2	13.4	13.3	9.8	12.2	13.7	14.7	15.2	14.6	14.0	13.9	11.4	14.7	12.7	14.2	13.3	13.1	13.5	13.7	15.3	15.9	12.9	11.3	13.4	13.8	9.2	13.1	10.8	13.8	7.8	14.3	10.9	11.5	14.5	12.4	11.4	13.4
NECAP1	3.3	4.6	4.9	5.7	5.1	4.7	3.8	4.6	5.8	5.9	5.1	5.9	5.2	5.8	6.5	5.7	4.4	4.4	6.4	7.5	5.4	4.2	5.4	5.3	5.4	5.3	8.6	5.8	3.4	5.1	5.3	5.4	9.1	7.4	6.5	5.4	6.1	5.4	6.8	4.5
NECAP2	5.7	3.7	3.7	4.0	6.7	4.1	3.9	5.2	7.4	3.9	4.2	4.0	7.0	5.4	9.3	4.0	5.2	5.3	5.0	7.6	7.2	4.2	4.3	3.7	3.3	4.8	4.8	5.0	6.7	7.0	5.7	6.2	12.1	6.1	5.3	5.1	5.9	4.2	5.4	4.8
NEDD1	2.9	3.0	2.3	2.1	3.2	2.1	2.4	3.2	3.4	3.0	2.5	2.3	2.6	3.5	2.2	2.3	2.7	3.3	2.8	3.6	3.0	2.6	2.8	3.0	1.3	2.8	3.2	2.5	1.4	1.5	2.8	2.5	3.7	2.7	2.1	3.1	3.6	2.6	2.9	3.2
NEDD4L	4.3	3.5	2.8	2.7	3.2	3.6	3.0	3.6	4.2	3.4	4.2	3.4	4.2	4.6	2.7	3.4	3.6	4.1	3.4	3.6	3.6	4.0	3.7	4.1	4.4	3.2	4.2	4.3	2.0	4.2	3.4	3.1	2.9	4.6	4.6	4.3	3.8	4.6	4.7	4.1
NEDD8	89.2	80.4	75.2	80.9	68.6	69.4	88.0	75.3	77.5	70.2	88.4	86.7	68.9	72.7	86.7	69.7	78.1	75.3	74.9	76.0	74.1	68.2	84.2	71.9	74.9	68.3	97.5	83.1	53.3	79.7	76.7	82.8	74.6	78.1	83.5	79.3	76.6	62.8	83.1	72.7
NEDD9	10.3	6.7	11.3	7.6	12.4	16.8	11.6	11.4	10.5	7.7	4.6	4.5	5.9	12.8	9.5	16.1	11.1	10.2	17.4	13.9	7.0	7.5	6.4	4.7	6.9	30.1	12.4	12.5	5.0	28.2	12.6	16.4	48.8	17.4	8.1	14.3	13.5	13.9	14.3	15.6
NEGR1	3.2	3.3	2.8	1.6	3.1	3.8	2.9	3.1	2.0	1.6	2.1	0.9	1.9	1.3	3.6	2.2	1.6	2.9	2.4	5.7	4.2	2.5	2.1	1.3	1.8	3.4	2.9	2.1	1.3	1.6	1.1	1.4	3.1	3.1	2.5	2.3	3.2	2.2	2.9	3.8
NEIL2	2.5	2.6	2.0	3.2	3.3	1.9	2.4	2.4	3.5	3.4	3.7	3.6	2.6	5.8	3.5	2.6	4.1	4.0	2.7	3.2	3.6	2.1	2.6	4.1	2.3	3.1	3.0	2.3	2.9	3.0	3.1	3.4	2.5	3.7	2.9	2.9	2.9	3.9	2.2	2.5
NEK1	2.7	2.8	2.5	2.3	2.6	2.5	2.4	2.3	3.4	3.2	3.2	2.5	3.0	3.5	2.7	2.1	3.1	3.8	2.8	5.0	2.9	3.1	2.9	3.5	2.3	3.4	2.4	2.2	1.9	2.1	2.3	2.4	3.0	4.0	2.6	3.2	3.9	2.8	2.3	3.6
NEK3	1.3	2.0	2.1	1.9	2.4	2.1	1.5	1.8	2.0	2.9	2.3	3.4	2.4	3.6	3.4	1.5	2.9	1.5	1.7	3.5	2.7	2.6	1.5	1.8	1.7	2.9	1.9	1.7	1.6	3.0	2.5	1.7	5.0	2.1	1.6	2.0	3.6	1.9	2.1	1.7
NEK4	3.2	2.6	2.4	3.1	2.2	2.2	1.3	2.7	2.8	2.5	2.4	1.9	2.3	3.4	2.6	2.7	2.4	3.7	2.5	3.1	2.8	2.4	2.9	2.4	1.8	3.1	3.2	2.7	1.3	1.9	2.4	2.8	3.4	3.6	2.9	3.0	3.7	3.7	2.8	2.8
NEK7	55.0	61.1	44.7	32.3	47.4	36.2	45.6	51.8	56.5	61.7	52.8	48.1	63.5	93.2	26.7	55.1	77.7	56.9	51.1	36.1	54.4	48.3	54.1	42.2	30.0	41.8	53.0	44.0	34.7	38.8	40.2	49.1	39.3	67.7	43.3	57.9	78.4	58.1	71.5	51.9
NEK9	17.4	16.3	15.9	14.9	19.4	15.7	15.3	18.6	20.4	17.0	19.5	19.9	20.2	23.1	17.4	16.9	17.6	21.3	17.9	24.0	17.4	17.8	16.4	18.5	15.3	16.9	19.6	17.0	13.0	15.4	15.3	15.9	20.1	24.3	18.7	19.9	22.1	17.5	18.4	19.0
NELF	2.5	2.4	2.5	3.6	4.5	3.2	2.8	3.2	3.8	3.1	2.7	2.9	4.2	4.6	6.4	3.6	3.6	2.6	3.3	3.3	3.8	2.7	2.8	2.2	3.4	4.2	3.2	3.4	3.2	3.9	2.7	3.3	7.3	4.5	3.1	3.2	3.5	4.0	4.2	2.1
NEMF	7.5	8.3	8.4	9.0	7.4	6.9	6.3	8.4	10.7	9.0	8.8	8.0	8.6	9.6	7.1	8.5	9.1	10.4	7.7	11.4	8.1	7.8	10.3	8.8	6.6	8.7	8.5	8.1	6.0	6.8	7.1	8.5	10.3	10.7	7.6	9.3	10.6	6.9	9.1	10.0
NENF	26.7	28.0	21.1	26.0	43.1	29.4	18.8	24.4	32.3	30.3	40.7	38.2	41.3	36.1	37.1	33.6	37.1	28.1	37.2	29.8	35.0	26.6	32.8	28.0	29.9	29.0	40.7	31.2	25.5	43.8	35.5	33.4	32.5	36.3	39.3	23.9	32.7	23.1	30.1	25.9
NEO1	3.0	2.8	1.8	2.7	2.7	2.5	2.0	2.8	2.9	2.5	2.6	2.2	2.5	3.6	5.9	2.8	2.6	2.5	2.8	4.9	2.7	3.0	2.8	2.3	1.9	4.3	2.2	2.9	2.1	2.0	1.8	2.4	3.8	3.7	2.4	2.4	3.0	1.8	3.1	3.4
NES	29.2	45.9	30.0	32.7	43.0	29.3	24.9	42.0	74.4	37.4	52.9	48.6	51.4	75.2	82.9	41.7	57.4	68.1	34.8	66.7	37.7	46.2	35.5	40.2	58.4	69.5	36.3	50.3	76.9	55.4	67.4	102.4	49.0	108.6	38.8	64.5	65.8	108.0	61.6	28.7
NET1	3.2	3.3	3.9	3.1	2.7	2.2	3.3	2.2	4.6	2.8	4.4	2.7	6.0	3.0	10.3	3.5	4.0	3.3	3.3	5.5	6.1	3.8	3.2	2.7	3.0	4.3	5.6	4.4	6.0	3.8	5.3	6.2	10.1	2.5	3.4	3.7	5.3	3.7	6.2	5.5
NEU1	6.2	6.4	6.0	7.2	7.5	7.1	5.4	6.3	7.8	8.1	7.8	8.2	7.8	7.7	9.3	7.4	6.5	7.4	8.1	8.0	8.8	8.2	6.7	7.3	5.7	7.1	6.5	9.0	5.6	8.4	6.3	7.1	11.9	9.1	6.8	7.1	7.9	7.2	5.8	6.2
NEURL1B	7.5	7.4	6.1	6.2	7.3	9.7	6.8	6.0	9.1	5.8	5.6	5.3	7.2	8.4	10.2	7.3	6.9	8.2	6.3	11.6	9.6	7.4	5.2	5.6	5.4	9.3	9.0	9.3	7.1	6.2	7.5	7.4	13.7	15.9	8.8	14.7	18.7	15.4	11.1	6.8
NEURL2	1.6	2.3	2.7	2.2	5.3	3.9	2.4	2.3	1.5	1.6	2.7	3.3	2.3	2.7	1.5	1.7	3.4	2.0	1.3	2.8	3.7	2.4	2.2	2.0	1.6	1.0	1.3	1.3	2.4	1.1	1.1	1.0	1.2	1.7	1.7	0.7	1.9	1.6	1.2	1.7
NEURL4	4.4	4.8	4.2	4.5	5.2	4.5	4.1	5.3	5.4	4.7	4.6	4.6	5.1	5.2	5.3	4.8	4.5	5.3	4.6	5.7	4.9	4.6	4.4	4.7	4.0	4.8	4.9	5.5	4.2	3.4	4.7	4.8	5.0	5.6	4.3	4.8	5.3	4.0	5.2	4.2
NEXN	149.7	266.3	217.0	187.1	163.9	141.4	111.3	220.7	177.7	213.1	135.5	159.7	164.0	242.4	154.8	170.5	283.8	227.2	168.3	142.6	177.2	160.6	212.1	163.1	154.8	188.6	274.8	211.4	99.7	142.3	192.6	236.3	194.4	234.4	229.3	279.0	255.3	246.1	250.1	153.9
NF1	3.8	3.1	4.1	3.5	3.5	3.6	2.8	3.7	5.7	3.5	4.5	3.4	3.2	4.5	2.9	3.3	3.7	4.6	4.0	5.4	3.6	4.3	4.1	3.9	3.6	3.9	3.5	4.0	2.5	2.3	3.1	4.1	3.7	4.3	4.3	3.9	4.3	3.3	3.1	5.1
NF2	2.9	5.6	4.5	4.5	4.2	3.5	4.4	5.0	4.6	4.2	4.9	3.6	4.1	5.9	4.1	5.3	5.6	4.6	4.5	5.2	5.0	4.9	5.4	4.9	3.6	4.0	5.9	5.4	4.0	4.8	4.1	5.5	5.3	5.5	4.5	6.9	5.7	8.8	6.6	5.4
NFASC	3.6	3.9	2.8	1.8	4.4	3.5	2.6	3.1	4.7	3.1	4.3	3.5	3.5	4.5	7.0	4.9	3.0	3.9	3.8	5.8	5.2	4.0	4.5	3.5	3.1	4.7	4.8	3.5	4.5	4.1	5.4	5.1	5.0	4.2	4.8	2.8	7.0	3.6	6.5	3.5
NFATC1	3.5	2.5	1.8	1.8	3.5	3.2	1.9	3.2	4.1	3.9	2.5	3.7	2.5	3.9	4.1	4.5	3.3	2.8	2.9	2.9	2.8	2.9	2.7	2.7	2.9	3.7	2.7	2.9	2.3	2.6	2.2	3.2	3.9	4.4	3.3	3.2	2.4	2.7	5.3	2.7
NFATC2IP	3.0	3.9	2.4	3.0	3.2	2.7	3.0	3.1	3.7	2.7	3.5	3.1	2.5	3.6	2.7	2.7	2.6	3.3	3.4	3.5	2.7	2.6	3.1	2.6	2.5	2.9	2.6	3.4	1.9	2.7	2.9	2.8	5.0	4.2	3.3	3.0	3.7	3.3	3.6	3.0
NFATC3	4.0	3.1	2.6	3.3	3.4	3.0	2.5	3.4	4.0	2.9	3.6	3.0	4.0	4.2	3.5	3.7	3.2	3.5	3.4	5.3	4.1	3.5	3.4	3.4	2.8	3.1	3.6	2.6	2.3	3.1	2.6	2.8	5.3	3.8	2.8	3.5	4.3	3.3	3.9	4.0
NFATC4	3.6	3.0	2.1	2.7	3.9	4.4	2.7	2.9	3.7	2.5	3.0	3.0	4.7	3.8	7.8	3.5	2.6	2.9	3.1	4.4	4.7	2.5	2.5	2.3	2.9	4.6	2.8	2.5	3.9	2.9	3.0	2.9	7.0	5.0	2.5	2.7	3.8	2.5	2.6	2.3
NFE2L1	183.1	158.2	136.7	137.3	175.6	207.5	145.6	149.3	190.5	191.1	201.8	171.9	208.9	141.9	124.8	265.0	180.8	186.3	141.8	134.7	139.2	184.4	182.0	176.7	164.0	123.9	237.8	163.6	127.8	113.2	89.9	147.2	115.1	173.6	173.7	137.5	145.3	108.4	184.7	171.7
NFE2L2	15.3	16.0	15.6	18.7	18.1	17.8	13.4	17.8	26.8	23.1	19.1	20.7	27.7	24.5	34.7	25.6	23.0	22.8	22.9	31.5	27.8	21.1	20.1	20.4	21.7	29.8	26.6	22.3	18.0	24.8	13.6	23.8	49.7	35.4	23.4	24.2	29.2	21.9	29.9	31.1
NFIA	4.1	4.9	2.9	4.1	5.1	3.7	4.2	5.6	5.4	3.7	5.3	4.3	5.0	5.1	5.5	4.5	4.1	5.2	4.9	6.0	5.7	4.3	4.3	4.4	5.0	5.9	3.8	4.2	3.4	4.0	4.3	4.2	6.3	6.1	4.7	4.9	5.2	3.6	6.4	5.6
NFIB	8.1	7.2	7.1	7.4	6.9	5.9	6.6	8.7	10.0	6.5	8.2	6.0	6.5	9.8	7.5	5.8	7.2	8.4	7.5	9.6	7.0	6.5	8.8	6.8	5.3	7.6	6.6	6.8	4.9	4.8	7.0	7.3	8.1	9.4	7.2	7.0	8.7	5.4	7.3	10.4
NFIC	20.4	21.0	17.8	20.7	22.7	22.3	20.4	20.5	23.0	17.6	20.3	15.8	16.3	22.2	24.1	23.0	23.3	14.8	20.2	17.2	15.9	17.7	18.1	18.0	12.4	21.0	23.0	20.3	12.1	10.0	15.3	17.6	22.3	26.6	17.7	21.5	24.0	22.6	23.1	19.9
NFIL3	12.0	10.3	9.6	10.7	14.2	11.9	14.4	12.2	9.3	10.2	7.9	5.9	9.9	13.4	16.0	8.6	11.1	8.8	8.5	10.4	9.1	7.4	7.2	7.4	17.0	15.7	15.8	12.0	5.3	27.6	14.1	12.0	70.6	18.3	9.0	17.6	18.4	15.3	19.7	11.9
NFIX	12.3	13.2	10.4	9.5	14.4	10.1	9.0	14.5	14.9	11.7	14.2	10.6	15.8	13.7	27.1	13.3	12.8	12.4	14.6	17.0	15.9	11.7	12.7	10.5	7.9	16.5	12.0	15.4	12.5	9.9	8.7	11.1	15.2	14.6	13.2	11.2	15.2	9.6	12.2	12.5
NFKB1	3.8	4.0	3.6	4.4	4.6	4.0	3.7	4.4	5.5	5.1	4.3	3.8	5.8	4.8	7.4	4.9	4.7	5.2	4.5	6.9	5.8	4.3	3.9	4.6	4.0	6.4	4.2	5.0	4.7	3.5	3.6	4.7	10.0	6.5	3.8	4.0	5.5	4.5	5.4	5.2
NFKB2	4.1	2.7	2.7	4.0	3.6	2.4	2.0	3.0	5.8	3.8	3.8	3.4	6.2	3.8	6.6	3.9	4.5	3.2	4.0	4.6	5.4	3.5	2.9	2.9	4.5	5.1	2.7	3.5	4.9	6.1	4.5	5.2	9.2	4.6	3.0	2.6	3.4	3.3	4.1	4.4
NFKBIA	19.7	28.3	24.3	21.1	28.9	30.1	25.8	24.9	23.9	18.4	16.4	18.6	23.9	33.2	48.3	36.1	26.9	25.3	23.9	21.8	26.1	17.4	19.8	16.0	48.0	62.9	57.3	55.8	45.4	60.2	55.6	63.5	99.3	56.3	59.4	40.8	60.8	36.2	75.0	41.0
NFKBIB	6.4	7.7	6.1	7.7	7.3	7.9	6.3	5.1	8.0	6.5	7.1	8.0	7.9	8.4	9.2	9.4	9.0	7.4	7.5	8.1	7.1	6.4	5.7	6.2	6.5	6.4	8.2	6.2	5.7	7.6	6.4	8.0	9.1	9.1	5.0	7.5	7.1	8.7	8.1	5.6
NFKBIL1	4.6	4.5	3.2	6.9	6.4	4.1	4.2	4.3	5.3	4.3	4.8	6.9	5.2	6.7	7.8	5.2	5.6	3.7	4.3	6.0	6.5	5.7	4.7	5.1	5.5	5.0	5.2	5.5	4.7	8.0	4.9	4.7	8.5	5.4	5.5	4.9	5.5	5.0	4.6	4.1
NFKBIZ	2.6	3.0	2.4	2.9	5.1	2.4	3.3	1.9	3.7	4.5	2.3	2.0	4.0	3.7	8.6	3.9	2.7	2.7	3.2	4.6	3.9	1.8	1.7	1.8	6.2	6.7	4.5	2.4	4.2	7.0	1.6	4.3	35.3	6.8	4.2	5.6	7.0	3.7	6.0	3.7
NFRKB	1.8	2.8	2.0	2.4	2.6	2.5	1.7	2.3	2.7	2.1	2.5	2.6	3.2	2.7	3.0	2.4	2.3	2.3	2.6	3.6	3.2	2.8	2.8	2.7	1.7	2.8	3.0	3.4	2.2	2.0	2.2	2.4	4.1	2.7	1.9	2.4	3.4	2.8	2.8	2.7
NFS1	9.5	9.7	9.7	11.5	10.7	10.6	11.2	13.1	11.6	11.0	13.7	10.6	10.2	10.2	9.4	9.7	9.6	13.2	9.9	10.4	10.7	10.6	11.6	12.6	9.9	9.0	13.4	12.6	8.5	12.3	8.3	9.1	7.3	12.4	10.1	10.8	10.6	9.4	10.7	11.7
NFU1	30.6	34.0	30.1	31.4	25.0	29.8	33.5	33.3	26.1	26.8	25.7	25.2	26.0	27.1	28.0	25.9	23.0	24.9	26.5	24.1	22.0	23.2	31.8	25.4	23.4	25.7	33.2	40.5	18.7	32.7	29.4	28.0	19.4	25.1	29.6	23.9	28.5	21.0	31.7	34.7
NFX1	6.2	7.3	8.1	6.7	6.7	5.4	5.4	7.2	8.8	7.5	7.9	7.6	7.5	8.0	7.4	7.8	7.9	7.2	6.3	7.8	6.8	7.1	8.0	8.1	4.0	6.5	8.9	8.5	5.3	4.8	6.1	7.9	8.8	7.3	6.7	9.8	8.2	6.9	7.8	7.8
NFYA	2.0	2.0	1.6	1.8	1.9	1.6	1.2	1.9	2.7	2.1	2.0	1.6	1.7	2.3	1.8	1.7	1.8	2.0	1.9	3.2	1.8	1.7	1.8	2.0	2.0	2.5	1.6	2.3	1.1	1.5	1.8	2.1	3.7	3.1	2.3	2.7	3.6	1.8	2.0	2.2
NFYB	7.6	5.9	6.3	6.4	7.8	4.7	6.0	5.7	5.7	4.4	4.5	4.3	7.3	14.6	8.5	6.9	8.5	6.0	4.5	6.2	7.7	6.6	6.1	5.0	5.8	5.6	7.0	6.8	4.3	5.7	5.6	7.0	11.0	8.5	5.3	6.9	9.2	8.5	7.9	6.1
NFYC	15.5	15.8	13.6	13.4	16.5	14.9	13.2	15.9	18.1	16.2	17.4	18.8	17.4	18.3	19.0	16.7	16.9	16.2	19.6	18.3	15.9	17.4	19.2	21.5	15.3	16.6	19.9	19.3	13.7	16.8	19.1	17.2	15.4	17.1	16.8	14.9	17.9	15.9	16.9	18.4
NGDN	6.5	6.9	6.7	7.6	7.2	7.5	5.3	6.4	9.4	6.4	7.7	8.4	7.6	11.1	10.4	7.4	8.5	7.8	6.9	9.8	6.7	7.7	7.6	6.9	6.1	9.1	9.0	7.7	6.8	11.7	7.9	8.4	12.9	8.6	7.0	8.1	9.2	7.3	9.6	6.9
NGF	4.2	3.0	2.0	4.2	4.2	5.8	1.9	2.9	3.6	2.2	2.2	2.3	1.6	3.2	3.4	3.2	1.8	1.6	2.7	2.9	4.4	1.9	2.5	2.2	4.1	3.2	2.3	1.4	2.0	2.0	2.4	2.5	4.0	0.6	0.8	4.1	1.9	3.1	2.3	2.8
NGFR	2.1	2.6	2.8	5.3	3.3	2.7	1.9	2.2	1.6	1.3	1.3	1.0	2.3	5.7	8.9	1.5	2.4	2.1	1.2	7.8	3.0	1.5	0.7	2.2	2.4	2.9	1.1	1.4	3.8	1.2	1.1	7.7	4.7	6.6	1.6	1.7	4.8	6.1	0.8	1.4
NGFRAP1	70.0	48.3	57.4	61.5	66.1	66.0	71.6	55.9	53.1	41.2	70.5	67.7	49.8	49.6	70.7	61.9	41.3	58.2	60.9	73.1	61.3	59.9	62.0	60.0	58.5	39.5	67.2	59.0	38.6	70.6	50.9	60.1	34.8	45.6	60.4	59.7	43.1	50.4	52.1	54.6
NGLY1	7.5	7.6	5.9	9.4	7.8	4.4	6.2	7.0	6.0	5.8	6.0	4.8	6.7	7.0	6.2	6.8	5.8	4.4	4.6	5.9	6.4	6.0	4.3	6.2	4.7	5.7	5.6	6.3	4.3	5.9	5.6	6.8	7.6	4.9	6.0	7.2	7.4	6.6	5.0	6.1
NGRN	54.8	55.8	61.7	57.9	68.5	55.2	53.2	62.5	60.9	62.9	71.4	64.4	73.4	100.3	65.1	62.8	60.2	54.9	56.5	65.3	55.2	55.7	55.1	58.2	52.5	50.4	63.9	60.7	50.9	78.0	52.3	69.8	51.7	64.2	57.5	58.4	75.3	59.0	57.2	54.0
NHLRC2	4.1	4.9	5.4	4.2	3.2	3.8	3.9	4.4	4.3	3.0	4.2	1.7	2.8	3.7	0.9	3.4	2.7	4.4	3.8	3.2	2.8	3.4	3.2	3.0	1.9	3.3	3.1	4.4	0.9	2.1	2.6	3.8	2.9	3.4	2.9	5.3	6.1	2.8	4.5	5.2
NHP2	14.3	18.8	19.3	23.2	18.8	17.4	18.0	19.8	23.3	17.9	20.4	23.7	22.8	24.3	23.6	19.4	18.5	19.7	18.6	18.1	19.6	17.9	20.0	19.1	16.5	20.1	22.6	24.1	12.4	24.7	16.4	21.7	20.9	22.4	20.9	19.6	19.2	20.4	19.7	17.0
NHP2L1	38.0	31.1	31.8	32.6	32.8	31.5	32.5	33.5	31.7	32.6	35.3	34.4	34.3	35.2	30.2	32.5	28.8	31.4	35.3	28.8	38.8	32.5	30.7	30.9	26.6	30.7	39.0	39.7	23.9	41.5	37.5	32.8	30.7	33.0	40.6	29.6	36.6	28.9	32.3	31.7
NHSL1	5.8	5.3	3.7	4.6	3.5	3.7	3.4	5.8	7.3	4.8	6.0	7.0	5.4	7.8	5.9	3.9	7.0	6.9	5.6	7.7	5.0	6.0	6.8	9.3	3.3	6.7	3.9	7.1	3.9	3.2	5.3	4.1	3.4	3.3	2.9	3.0	3.7	3.8	5.1	8.1
NICN1	3.5	3.4	2.8	2.8	3.8	3.7	2.4	3.5	4.7	2.8	5.2	4.0	4.2	5.4	4.9	3.9	4.1	4.1	4.1	5.7	3.3	4.0	3.8	4.3	3.5	3.7	4.4	4.1	3.7	3.6	3.9	3.9	4.7	5.2	3.2	3.2	4.6	2.5	3.7	3.8
NID1	15.0	29.2	24.0	26.7	36.2	20.1	23.4	28.1	11.4	16.1	13.2	8.9	16.2	20.3	19.6	27.1	19.6	20.8	15.3	17.2	33.7	15.1	12.9	9.7	12.4	26.8	22.3	16.2	10.8	14.0	10.7	14.9	58.1	35.9	36.3	26.0	45.9	23.2	30.2	15.3
NID2	8.1	5.3	3.9	8.0	10.1	6.1	4.2	7.9	7.8	6.3	6.9	5.7	7.6	7.5	8.5	7.7	7.3	7.2	6.4	8.6	7.1	6.1	5.3	6.4	5.5	8.5	7.2	7.6	4.8	5.9	7.7	6.7	5.4	8.3	6.6	5.7	10.8	6.1	6.2	8.3
NIF3L1	6.2	7.5	7.1	6.9	8.9	6.7	5.9	7.9	7.3	5.3	7.4	7.3	6.7	8.6	7.5	6.2	6.7	6.6	6.2	7.0	5.9	7.6	6.5	6.4	5.1	5.7	6.0	7.6	5.7	5.3	4.9	5.8	4.9	5.6	6.5	5.8	6.4	4.3	5.3	7.0
NIN	5.5	2.1	2.1	1.7	2.8	2.9	2.1	3.1	5.7	3.1	2.9	2.8	3.4	3.6	2.3	2.7	3.2	3.3	3.3	5.2	2.2	2.9	2.4	2.9	2.0	3.1	1.6	2.2	2.6	1.5	1.8	2.4	3.7	3.3	2.0	2.1	3.0	2.0	1.8	3.5
NINJ1	13.4	10.9	8.8	11.8	19.9	15.5	8.2	15.6	14.6	12.5	18.1	11.0	17.8	18.5	18.5	14.7	18.8	11.4	14.1	16.5	12.6	13.6	10.2	7.7	8.4	12.5	14.5	10.6	12.0	13.8	12.3	9.4	13.7	13.9	9.2	10.3	11.1	13.1	11.0	7.8
NINJ2	0.7	1.7	0.4	1.4	2.3	1.9	1.7	2.6	2.2	1.1	1.3	1.6	1.4	1.5	3.7	1.9	2.1	1.9	2.2	2.1	2.2	0.9	1.3	1.1	2.2	2.5	1.0	1.4	2.2	2.5	1.1	2.6	4.4	1.7	2.0	2.4	2.3	1.7	2.4	1.9
NIPA2	3.9	3.9	4.1	4.6	5.3	4.2	3.1	4.5	5.2	4.4	3.7	3.5	4.7	5.3	5.3	4.6	4.8	3.8	4.1	5.3	3.9	4.1	4.8	3.8	2.7	4.0	4.7	5.2	3.8	4.0	3.9	5.6	5.6	5.3	3.3	4.3	5.6	8.0	5.0	4.2
NIPAL2	2.0	1.8	1.2	2.5	2.2	1.5	1.5	2.0	2.4	1.5	1.6	1.2	1.3	2.0	1.2	1.3	1.9	1.4	1.6	3.2	1.5	1.5	1.5	2.0	1.1	1.8	2.6	1.8	0.9	0.8	1.2	1.6	3.6	2.5	2.0	1.8	2.9	1.3	1.8	2.3
NIPAL3	5.0	4.3	3.9	4.3	4.7	4.2	5.6	5.1	5.6	3.3	4.3	3.5	2.9	4.3	3.6	5.8	3.3	4.2	3.9	5.7	3.8	4.9	4.3	4.4	3.4	2.8	4.5	3.2	2.7	2.7	3.9	3.6	3.5	5.3	2.7	5.3	4.1	4.0	4.7	4.3

NIPBL	3.9	3.1	3.3	2.9	3.3	3.3	2.4	3.6	4.6	3.1	3.7	2.4	2.9	3.9	2.5	2.5	3.6	3.4	3.3	5.0	3.1	3.2	3.5	3.0	2.8	3.3	3.0	3.2	1.8	2.4	2.8	3.1	5.3	4.1	3.3	4.5	4.5	3.0	3.7	4.4
NIPSNAP1	4.8	7.6	3.5	9.8	8.7	7.4	5.8	7.3	9.4	5.6	10.8	10.5	8.5	10.5	7.5	11.7	5.6	9.4	8.7	9.8	8.6	8.0	9.8	7.3	7.0	3.9	9.1	7.3	4.4	11.4	5.9	8.0	6.4	6.8	7.5	6.2	5.6	5.0	7.9	5.6
NIPSNAP3A	5.6	6.2	4.8	5.1	7.2	6.7	4.0	5.2	4.6	7.7	7.9	7.3	7.5	10.4	7.6	5.2	5.5	9.2	4.2	6.9	7.6	5.7	4.7	5.4	3.9	6.4	5.7	8.3	5.6	7.9	6.7	6.7	4.3	8.7	3.9	4.0	6.4	6.7	5.1	5.8
NIPSNAP3B	7.8	7.4	6.6	7.8	6.5	6.8	7.9	4.9	6.2	4.8	7.9	8.0	6.9	4.5	4.0	5.4	3.4	6.7	5.7	5.1	6.8	5.5	5.9	5.9	5.0	4.4	8.1	7.2	2.5	6.1	7.2	5.6	3.3	5.9	6.8	5.7	6.6	4.2	6.8	7.4
NISCH	8.8	10.6	7.4	7.8	11.3	11.2	6.3	9.0	13.1	9.6	10.0	10.7	11.9	10.3	14.8	10.2	10.9	10.8	11.3	13.3	13.1	10.1	10.1	11.2	12.2	11.6	12.1	13.1	9.3	10.4	9.9	9.3	18.3	14.8	13.1	10.4	14.7	10.7	12.6	9.2
NIT1	9.1	7.7	5.8	8.1	7.8	7.7	6.8	8.1	8.5	7.3	8.1	7.8	9.9	10.1	8.4	6.9	5.4	6.7	7.4	7.9	8.1	7.2	7.6	7.6	6.1	6.6	7.9	7.5	6.1	7.3	6.5	7.7	7.8	7.4	6.8	6.8	7.2	6.6	7.3	6.1
NIT2	9.9	11.8	12.5	12.7	16.8	13.4	12.2	12.6	13.2	10.3	12.8	12.2	12.3	15.3	13.6	11.9	10.6	10.8	9.0	15.3	13.3	11.3	10.3	10.5	10.5	8.3	10.1	10.1	9.9	15.0	12.2	12.5	9.8	11.6	10.9	11.5	9.0	9.4	10.2	10.8
NKAP	4.8	5.0	4.0	5.2	5.4	6.2	5.1	4.0	5.4	5.3	5.5	5.4	7.3	5.5	5.5	5.5	4.7	5.0	4.7	5.4	5.0	5.7	5.3	5.3	4.2	6.2	5.9	5.3	3.2	5.9	4.1	5.4	7.0	5.7	5.6	3.3	5.3	4.2	6.1	5.0
NKAPL	2.5	2.0	2.9	3.5	1.2	1.8	1.4	1.9	2.5	1.8	2.3	2.2	2.1	2.4	1.7	2.0	2.0	1.9	2.3	2.1	2.4	1.7	2.5	1.7	2.2	0.9	2.1	2.6	0.6	1.6	2.3	1.7	1.3	2.7	2.3	2.1	3.1	1.3	2.7	2.6
NKIRAS1	5.7	5.1	5.5	4.7	4.0	4.6	5.4	5.1	5.1	4.3	4.8	5.1	4.6	5.1	4.9	6.1	4.3	5.0	4.5	5.2	5.0	4.4	4.4	4.1	4.0	3.5	5.4	4.5	3.0	3.9	3.9	4.9	3.4	4.4	6.1	3.6	4.7	3.4	5.2	6.0
NKIRAS2	9.7	10.0	10.4	11.8	12.9	12.5	10.2	13.8	12.9	11.8	13.1	13.9	12.5	13.6	12.3	12.9	11.0	13.3	12.5	10.7	11.3	12.0	12.6	11.2	9.9	11.2	13.6	15.4	9.2	10.3	11.6	12.8	9.4	14.4	13.2	12.1	13.3	13.4	12.0	11.5
NKTR	7.8	9.1	7.3	6.5	8.6	10.3	6.1	6.9	9.7	6.5	7.5	5.4	4.8	6.0	4.4	5.2	8.3	8.8	8.4	10.7	6.7	7.4	7.1	6.1	6.5	8.0	6.8	5.8	3.5	3.4	8.6	6.4	17.8	10.5	9.2	7.5	11.4	6.2	6.0	8.8
NKX2-5	50.3	39.4	35.8	37.8	46.8	47.6	44.6	44.9	42.7	38.7	47.4	42.3	53.2	48.4	24.0	47.8	33.9	36.3	38.6	36.6	36.8	44.7	36.6	40.1	22.3	22.2	30.1	32.4	27.3	31.8	25.6	29.8	10.0	27.1	31.5	18.8	31.0	23.8	23.7	39.1
NLGN2	1.7	2.2	1.7	4.7	2.9	2.8	2.2	2.1	4.0	2.5	2.5	2.1	4.3	4.2	7.2	2.8	2.8	2.8	2.5	4.2	3.7	2.8	2.6	2.3	3.3	4.5	2.3	2.4	3.8	3.7	2.6	3.3	8.0	5.5	2.9	2.0	4.1	2.9	3.7	2.3
NLK	2.9	2.8	2.2	2.7	3.0	2.2	2.6	3.4	2.9	3.2	2.6	2.3	2.5	3.5	2.5	2.6	2.9	3.9	2.8	4.2	2.5	2.2	3.1	3.0	2.1	2.9	2.8	2.7	2.0	2.4	2.8	3.1	3.2	4.0	3.1	2.7	3.4	3.3	3.4	3.3
NLRC5	1.1	1.1	1.0	1.3	1.9	0.9	1.2	1.1	1.9	1.0	1.6	1.3	3.6	1.4	2.3	1.2	1.0	1.1	1.6	2.7	1.8	1.6	1.8	3.3	0.6	1.6	1.7	1.3	2.2	1.5	1.8	2.1	4.9	1.3	1.1	1.3	1.9	1.3	2.1	1.9
NLRP1	3.6	3.8	2.4	2.4	4.8	5.4	3.3	4.1	6.3	4.1	3.5	4.6	4.2	4.8	8.7	5.3	4.5	4.3	4.9	7.8	6.7	4.3	3.6	4.5	2.8	4.6	3.4	4.4	4.1	4.6	4.3	4.5	14.9	4.9	3.4	4.7	4.8	3.2	5.8	5.9
NLRX1	5.6	7.2	5.7	5.0	8.0	7.8	5.9	6.6	7.3	5.1	6.9	6.0	6.9	7.7	6.2	6.9	5.2	6.6	5.6	5.5	6.8	5.8	5.7	7.4	4.8	4.1	7.0	7.2	4.9	7.6	6.8	7.4	3.2	6.3	5.3	6.6	8.6	6.1	6.2	7.8
NMD3	9.7	12.1	11.9	11.5	12.3	11.0	9.7	11.7	14.0	12.2	12.9	11.9	11.9	14.2	11.1	13.3	13.0	13.5	9.6	14.0	12.8	11.9	12.5	11.6	8.9	15.6	13.2	12.9	7.7	10.7	9.2	13.6	12.9	14.7	10.6	12.7	15.4	11.0	11.9	12.0
NME1	6.9	4.2	8.0	10.6	6.1	5.1	5.0	8.5	8.4	4.4	8.7	7.1	7.3	11.1	7.4	5.7	3.2	3.8	9.8	7.7	7.3	5.1	4.4	5.6	6.9	3.8	7.8	5.5	7.3	7.2	8.4	8.5	8.3	6.2	5.3	6.9	5.4	6.8	4.3	5.8
NME1-NME2	0.6	1.4	0.6	2.1	1.8	0.6	0.4	0.4	1.2	0.3	2.0	0.5	1.1	2.1	2.4	0.8	2.0	2.6	0.1	2.2	0.6	0.6	0.0	3.0	1.2	0.3	0.6	1.6	0.1	1.0	0.9	2.8	0.1	0.0	4.8	1.0	0.9	1.8	0.6	0.7
NME2	61.4	66.6	72.5	100.9	116.9	51.4	76.6	77.7	63.1	48.8	64.1	63.5	63.3	95.7	92.3	44.6	68.3	47.4	47.2	77.8	74.1	53.3	43.0	57.3	53.5	60.7	55.7	65.2	77.8	70.5	63.3	69.3	100.7	74.3	41.9	67.9	60.8	60.6	50.3	64.3
NME3	7.0	6.0	3.9	6.2	8.9	7.2	4.7	5.5	8.6	5.3	9.9	10.2	9.6	7.6	11.8	5.4	5.6	7.0	8.8	10.5	8.6	7.0	5.4	5.6	7.8	6.7	5.9	6.5	7.5	9.3	7.9	6.0	10.4	8.7	8.5	6.1	7.7	4.7	6.2	5.1
NME4	37.3	26.3	27.1	27.6	42.4	35.8	22.8	34.4	34.7	26.8	43.0	26.1	36.1	37.9	46.3	26.4	35.5	34.5	39.8	35.3	39.4	32.1	27.6	31.9	32.2	27.6	40.3	31.8	27.5	37.3	31.0	26.0	34.5	37.6	39.7	27.8	30.1	28.3	30.6	31.4
NME7	2.1	2.3	2.6	2.0	2.2	2.0	1.8	2.5	2.9	2.4	2.9	2.5	4.5	3.4	3.1	2.2	3.0	2.7	2.3	3.6	3.2	2.1	3.7	2.8	1.9	2.1	2.4	3.5	1.8	1.5	1.8	1.8	3.1	2.4	3.1	2.0	2.6	1.4	3.2	2.5
NMI	1.7	1.2	1.0	1.2	1.9	1.1	1.4	1.2	1.8	1.0	1.3	1.3	6.7	0.9	3.2	1.1	1.1	1.7	1.8	2.9	2.7	2.0	1.2	2.2	1.0	1.4	1.1	1.9	1.7	1.4	1.3	2.1	4.1	1.3	1.1	1.8	2.2	0.9	2.1	1.8
NMNAT1	3.8	2.8	3.5	2.5	2.7	3.2	1.9	3.8	4.3	3.3	3.4	2.9	3.0	3.2	3.0	2.9	2.7	3.9	3.4	3.6	2.8	3.0	3.5	3.7	2.5	2.5	2.7	3.5	2.5	3.5	2.8	2.6	2.0	3.5	2.6	3.7	3.6	2.2	3.8	3.7
NMNAT3	4.0	3.0	2.8	3.1	3.0	2.9	3.0	2.9	3.2	3.2	3.1	3.4	2.0	2.0	3.4	2.9	2.5	3.3	3.2	4.0	3.4	3.3	2.5	3.7	2.2	3.0	3.0	3.2	2.1	3.8	2.4	2.9	2.1	2.1	3.0	3.0	2.9	2.0	1.9	3.7
NMRAL1	3.8	5.0	3.2	7.6	4.4	5.2	5.8	8.1	5.5	4.9	7.5	5.7	6.3	4.3	7.9	7.6	3.9	5.8	4.8	5.6	8.3	2.6	5.1	8.5	6.4	4.7	8.1	5.9	4.2	3.4	5.6	7.1	6.8	4.5	5.8	3.8	4.3	2.1	6.2	8.0
NMT1	9.1	10.5	10.4	10.8	10.7	9.9	8.1	10.5	12.6	10.6	11.2	11.1	12.7	13.7	12.7	11.7	11.9	11.2	11.2	12.1	14.3	9.9	11.6	11.4	8.1	8.3	13.5	11.7	9.1	9.1	9.2	10.6	11.7	12.9	9.5	10.8	13.4	10.6	12.0	9.1
NNMT	3.7	6.3	7.8	11.7	13.6	4.1	5.4	3.7	8.6	11.0	2.6	3.2	15.0	16.2	25.5	7.7	14.8	7.5	6.2	6.9	16.7	4.0	2.5	3.9	20.5	27.2	7.1	7.5	25.1	13.5	3.7	20.6	74.0	27.6	6.3	9.7	16.3	15.3	16.6	3.0
NNT	83.4	88.4	88.1	83.7	89.1	72.5	72.9	91.1	80.5	66.6	101.1	82.4	66.5	59.5	44.5	91.9	62.1	105.2	70.0	97.5	68.8	90.3	73.1	89.1	56.8	57.4	86.3	76.4	44.7	47.8	57.6	77.9	31.9	94.0	74.5	87.1	85.4	74.9	66.0	108.1
NOB1	3.5	5.9	5.7	5.8	6.5	6.6	5.1	4.9	5.6	4.7	5.8	6.6	7.0	6.5	9.6	5.2	5.8	6.2	5.5	7.0	9.2	5.3	5.8	5.6	6.3	4.8	7.9	6.9	5.1	5.9	5.9	7.1	11.0	6.8	4.3	6.0	7.1	6.4	6.8	5.1
NOC2L	8.3	9.3	6.8	11.0	8.8	8.7	7.7	9.3	11.0	11.4	10.8	11.2	10.6	12.4	11.6	10.9	10.0	8.9	9.9	10.8	11.0	9.3	10.5	10.7	9.6	9.2	11.6	11.4	7.9	10.2	9.0	11.4	12.5	11.8	9.6	9.3	11.3	10.9	10.2	9.7
NOC3L	1.6	2.0	2.3	1.7	2.7	1.5	1.5	1.9	2.5	1.5	3.4	2.0	2.2	3.1	2.6	1.9	2.5	2.1	2.0	2.9	2.3	2.6	2.1	1.9	1.8	1.4	2.3	2.0	1.8	2.4	1.9	2.8	3.4	2.7	1.9	2.8	2.2	2.3	2.5	2.1
NOC4L	2.6	3.0	3.5	4.6	2.8	3.2	3.6	2.8	3.2	2.5	2.7	2.4	2.4	2.6	3.5	2.4	3.3	2.7	3.5	3.1	2.5	3.2	2.4	3.9	3.5	2.7	3.8	4.5	2.6	3.4	3.1	3.2	4.9	3.2	3.5	3.7	3.4	3.3	3.2	4.1
NOD1	2.6	3.3	1.8	3.4	4.1	2.4	2.2	2.7	3.5	3.2	2.5	2.6	2.5	4.0	3.9	3.4	3.6	2.7	2.7	3.9	4.2	2.7	3.5	4.1	3.5	3.1	2.8	2.3	2.5	3.4	2.9	3.8	4.6	3.0	2.4	2.9	2.8	3.2	4.9	4.2
NOL10	3.0	3.1	3.6	3.9	3.8	2.6	2.8	3.9	3.1	3.6	4.2	3.7	3.6	4.8	3.6	3.7	3.7	4.0	3.0	4.6	3.8	3.0	3.7	3.4	2.6	4.7	4.3	3.2	2.7	4.1	3.0	3.7	4.2	4.7	3.7	3.7	3.8	2.9	3.6	4.1
NOL11	6.6	7.0	5.9	6.0	6.2	6.0	6.1	6.9	7.6	6.4	5.9	6.3	7.9	7.7	6.5	7.7	6.5	7.2	6.1	6.7	6.9	5.9	7.1	5.9	5.4	7.4	7.0	8.8	5.3	6.4	7.3	8.0	9.2	8.5	7.7	7.0	9.0	6.3	7.8	7.2
NOL12	1.2	2.0	2.0	2.6	2.0	1.8	1.8	2.3	2.7	2.3	2.2	2.1	2.4	2.5	2.4	1.8	2.3	2.3	1.9	2.3	2.1	1.9	2.2	1.7	2.2	1.9	2.9	2.8	2.1	2.1	2.8	2.0	3.2	2.9	2.9	1.7	2.3	2.2	3.1	2.4
NOL3	11.9	15.8	15.2	14.8	19.0	16.1	13.4	16.0	18.5	16.3	17.1	16.9	17.8	21.5	13.6	17.5	16.6	16.8	12.7	15.4	17.8	13.8	15.0	14.5	16.3	13.1	16.6	19.1	15.1	17.7	16.0	14.6	10.9	19.4	12.0	16.0	17.0	12.1	15.7	11.0
NOL6	2.6	3.9	4.2	3.7	3.7	3.3	3.2	3.4	4.9	3.0	4.3	4.1	3.9	4.2	4.2	3.7	3.5	4.0	3.7	4.1	3.3	3.6	4.2	3.9	4.0	3.3	4.0	3.7	3.1	2.9	3.7	4.3	5.0	4.7	3.3	4.0	4.5	3.9	3.7	3.5
NOL7	21.8	24.5	20.8	25.2	21.0	19.8	20.4	19.8	22.5	21.8	24.9	22.7	21.5	25.7	24.4	23.2	23.2	20.4	19.7	20.6	22.2	19.6	25.9	20.8	17.2	23.4	26.7	20.0	17.4	23.9	21.2	24.6	27.6	24.4	23.4	20.8	22.3	21.8	26.4	24.0
NOL8	3.1	3.5	3.0	4.1	3.3	3.4	2.8	2.5	3.8	3.7	3.0	3.1	4.5	4.8	3.7	3.2	4.0	4.2	3.1	4.4	3.7	3.3	4.2	2.9	3.2	3.2	3.1	3.7	2.4	2.6	2.5	3.4	5.8	3.8	3.0	3.6	4.0	2.6	3.1	3.5
NOLC1	7.4	7.8	6.6	9.2	6.5	6.6	5.9	7.1	9.9	7.6	7.9	8.5	8.3	8.5	9.1	9.2	7.9	9.2	7.8	9.3	8.8	8.5	8.5	9.1	6.7	7.6	8.6	7.5	6.0	8.6	5.7	9.1	13.3	12.5	9.1	7.7	8.8	7.0	12.2	8.3
NOMO1	25.0	17.2	19.0	27.2	32.8	20.5	18.0	30.0	25.3	19.1	28.3	18.5	16.3	26.5	26.9	20.5	24.4	21.8	14.7	20.3	18.3	28.6	19.2	29.5	17.6	17.5	31.5	22.5	16.6	18.8	14.2	21.1	17.2	29.3	14.5	18.3	19.3	25.2	18.2	25.0
NOMO2	29.4	23.6	19.5	24.9	27.9	29.3	16.3	41.5	26.4	22.1	17.9	23.4	17.8	22.3	30.8	21.9	20.2	28.5	17.0	23.3	18.2	21.6	26.4	32.1	17.2	20.6	25.6	22.0	13.7	12.7	17.3	19.9	14.3	31.5	15.6	19.5	20.3	19.3	23.2	22.8
NOMO3	14.5	14.6	16.8	17.9	25.6	12.4	4.8	12.5	14.6	19.5	15.9	17.9	12.4	23.8	15.8	7.1	7.5	13.8	5.2	18.6	19.5	18.6	14.3	26.4	11.5	16.1	21.7	19.0	11.3	16.9	9.3	7.2	5.7	16.0	4.1	17.1	19.0	17.0	12.9	19.2
NONO	20.1	20.4	16.1	20.6	25.0	18.1	17.0	17.5	22.4	19.4	21.2	19.5	23.2	23.1	30.4	19.8	20.7	18.1	19.5	27.8	23.1	18.0	20.8	20.8	19.1	23.7	23.1	21.3	18.0	22.2	17.6	20.5	36.5	22.3	22.4	18.4	24.3	16.7	24.0	21.7
NOP10	43.1	40.1	39.6	35.6	52.0	27.1	36.6	44.5	39.9	47.3	47.8	26.3	40.3	29.4	29.8	35.1	18.9	38.1	42.7	42.3	34.8	35.5	40.2	39.7	35.3	41.4	53.6	54.7	28.8	25.4	30.2	37.3	20.0	36.9	46.4	40.8	39.1	30.0	45.3	41.3
NOP14	5.2	6.6	5.9	7.3	6.0	4.7	5.5	4.9	6.8	6.6	5.2	5.0	6.2	5.4	6.7	6.2	6.2	5.4	4.9	5.3	5.1	4.6	5.6	5.9	5.1	5.2	6.8	6.2	4.7	3.6	3.9	6.0	8.5	7.1	4.7	6.3	6.3	6.0	6.8	6.2
NOP16	5.2	6.6	7.4	11.2	9.1	2.4	4.9	4.8	5.4	5.8	4.1	5.4	4.3	6.0	5.3	5.3	4.9	4.0	4.6	6.1	5.8	4.1	3.7	6.6	7.5	5.7	4.0	4.7	4.3	5.1	8.5	8.6	7.7	9.7	5.8	7.6	5.4	9.0	8.1	4.5
NOP2	2.9	4.2	4.4	6.8	3.7	3.3	3.2	3.9	5.2	3.5	3.5	4.6	4.3	4.7	3.6	3.1	3.1	3.3	3.6	4.5	4.8	3.5	3.7	3.8	5.1	3.3	4.4	3.4	3.3	5.5	4.2	5.0	7.0	7.1	3.5	4.6	4.8	5.3	5.0	3.4
NOP56	10.0	14.1	10.5	12.9	12.4	10.7	9.6	9.3	15.6	12.8	12.1	13.2	14.9	13.8	18.1	14.0	11.7	13.3	11.2	13.3	17.8	11.1	13.3	12.5	14.0	12.1	13.9	13.6	10.9	13.9	12.0	15.4	20.7	18.8	11.4	12.4	15.9	10.9	16.0	11.3
NOP58	6.2	5.9	5.6	5.6	5.6	4.9	4.8	5.9	7.0	7.0	6.2	6.8	6.9	5.8	8.1	5.5	5.3	6.5	5.6	7.1	6.8	5.7	7.0	6.5	4.8	7.8	7.0	6.3	5.0	6.5	5.8	8.5	10.9	8.9	7.2	5.9	7.9	5.4	6.6	6.6
NOS3	5.8	2.5	3.2	4.6	2.9	1.9	2.7	2.6	5.9	2.5	3.4	4.0	3.1	5.8	7.8	4.0	5.6	5.0	4.3	4.4	3.0	2.4	3.2	3.0	2.3	3.4	1.8	2.1	3.6	4.0	11.9	7.7	2.4	2.3	4.7	4.4	2.7	1.9		
NOSIP	11.8	11.7	8.9	10.2	13.1	12.7	9.4	11.0	13.5	10.3	9.3	14.7	13.5	12.6	15.4	9.6	11.0	9.5	12.3	11.4	12.5	10.7	9.9	13.0	12.0	10.1	14.3	13.6	11.7	14.4	13.5	12.3	17.3	14.0	15.5	11.2	12.3	11.0	11.1	10.2
NOSTRIN	5.0	4.0	4.5	5.0	5.5	3.9	4.1	5.3	4.1	2.1	3.2	5.9	3.9	6.6	4.9	5.6	4.4	4.6	6.4	4.5	2.3	4.5	6.2	2.5	3.9	4.1	3.0	2.7	6.1	4.2	5.5	10.6	2.7	3.5	3.9	2.7	4.1	4.7	4.5	
NOTCH1	3.5	3.8	2.7	3.8	3.9	3.8	3.7	2.8	5.1	4.1	3.9	3.7	3.2	3.9	6.5	4.1	3.4	3.8	4.4	5.8	5.3	3.9	3.5	3.3	1.7	3.2	3.4	2.8	2.0	2.5	3.5	3.9	7.5	5.3	2.7	3.1	5.0	4.3	3.8	4.1
NOTCH2	3.5	3.0	2.8	2.5	5.0	2.9	2.6	4.1	6.8	4.3	4.0	3.0	5.3	5.4	7.3	4.2	5.5	5.1	5.1	10.9	6.9	5.5	4.1	4.1	2.7	6.6	3.1	4.1	4.2	2.1	2.4	4.8	8.7	6.3	2.4	5.1	5.2	5.1	3.8	5.0
NOTCH2NL	0.8	0.7	0.8	0.6	1.4	1.3	1.7	1.4	3.0	1.3	0.9	1.2	0.9	1.5	1.6	3.1	0.9	1.6	0.8	2.1	1.2	1.7	1.8	1.5	2.2	0.9	0.9	0.7	0.8	1.0	0.7	3.3	1.4	2.2	0.5	1.8	0.8	1.5	1.2	1.5
NOTCH3	8.8	7.3	6.3	7.6	10.5	13.1	5.6	7.2	14.7	8.9	9.7	8.5	8.4	12.4	25.2	8.3	9.3	9.2	11.1	14.7	14.5	8.6	8.9	10.1	6.6	12.9	4.5	10.3	12.5	7.2	12.7	12.3	11.1	8.0	5.8	6.8	7.2	5.9	6.5	12.6
NOTCH4	7.6	6.0	6.0	5.4	9.3	7.1	5.0	6.7	7.8	7.0	6.1	6.8	4.6	6.0	6.4	11.8	6.8	7.0	10.0	7.7	7.7	7.1	6.2	8.3	5.8	8.6	7.2	8.6	5.9	10.7	8.3	10.0	20.4	10.6	11.2	8.7	12.1	7.6	10.8	6.9
NOV	2.0	2.0	1.7	1.3	3.0	1.5	1.5	2.9	3.6	3.3	1.0	1.8	2.0	3.7	15.0	1.2	2.1	2.5	2.3	9.4	1.8	2.1	0.8	1.3	2.2	6.9	1.3	2.3	1.9	0.9	1.6	1.1	4.0	3.7	0.5	1.6	1.3	1.0	2.1	1.7
NPAS2	7.7	9.6	8.4	12.1	13.2	7.9	6.5	11.5	8.3	9.2	6.1	7.7	6.0	13.5	8.9	10.0	9.8	8.8	7.2	8.6	8.3	6.5	8.1	10.1	7.2	6.2	13.7	8.5	6.4	7.2	9.5	11.0	6.8	8.2	8.5	7.5	10.6	18.2	10.2	8.0
NPC1	2.5	2.8	2.2	2.9	2.6	1.9	1.6	2.2	3.1	2.6	1.8	2.3	2.2	3.0	3.5	2.6	2.6	2.6	2.4	3.2	2.3	2.2	2.0	2.1	3.6	2.7	2.4	1.9	2.5	3.0	2.8	7.0	4.9	3.4	3.7	5.0	3.8	3.9	3.0	
NPC2	33.1	26.7	24.4	27.3	56.9	37.4	26.8	39.7	46.1	31.4	29.9	35.9	45.9	54.2	70.9	33.9	43.4	33.1	37.2	53.0	42.5	30.6	26.9	32.5	24.5	36.3	32.3	30.7	33.6	45.7	23.9	33.9	68.6	36.6	24.5	24.9	30.2	28.2	25.4	28.5
NPDC1	13.4	14.6	13.4	19.3	22.2	17.7	14.3	12.7	24.7	23.1	20.5	25.3	24.5	22.2	37.5	15.8	19.2	18.8	21.8	20.2	29.6	16.6	17.0	15.9	17.6	20.0	14.5	18.3	24.8	23.2	26.6	22.5	31.5	21.8	17.8	16.9	21.9	19.2	16.7	11.4
NPEPL1	9.8	8.7	8.5	10.0	16.1	11.6	7.5	8.2	11.7	9.9	12.4	13.0	11.3	13.4	13.6	9.3	11.5	10.6	10.2	11.9	11.2	9.7	8.9	9.9	9.4	9.7	14.2	13.5	9.6	13.0	12.1	9.2	13.6	12.8	9.1	10.6	11.4	9.9	12.1	9.0
NPEPPS	13.8	14.5	10.9	14.6	15.1	13.4	9.8	12.1	14.1	12.7	13.9	11.2	13.1	14.2	11.0	12.8	11.8	13.6	11.6	14.4	13.1	13.0	13.1	13.9	8.4	13.4	12.0	12.8	9.0	10.1	10.5	13.3	16.3	12.7	12.1	11.5	14.1	10.4	13.8	15.2
NPHP3	1.5	2.2	1.6	1.2	2.1	2.3	1.2	1.0	2.2	1.8	1.3	1.5	2.3	1.8	2.2	1.3	1.7	1.4	1.9	3.0	2.2	1.9	2.0	1.7	2.3	2.5	1.6	1.8	1.8	2.0	1.8	1.5	3.5	2.2	2.3	1.6	2.7	1.4	2.0	1.7
NPHP3-ACAD11	1.7	1.8	1.3	0.9	2.5	1.8	0.7	1.7	2.4	1.9	2.3	1.6	2.4	2.0	1.7	1.8	2.0	2.6	1.7	3.1	2.3	1.4	2.0	1.3	2.2	2.6	2.1	1.9	1.4	2.0	2.1	2.4	3.3	2.8	2.1	1.8	3.0	2.1	2.3	2.0
NPIP	29.5	30.6	20.8	31.7	35.1	33.2	22.8	43.9	39.9	28.9	30.2	23.6	48.5	45.9	85.3	31.9	36.0	30.3	31.2	42.3	36.7	29.7	39.4	36.7	35.0	41.7	33.3	32.5	37.6	36.1	44.2	36.0	65.9	42.5	38.1	36.6	35.4	35.7	44.8	37.5
NPIPL3	13.2	22.3	10.0	14.3	24.0	17.1	15.3	18.0	16.7	16.5	15.5	18.2	19.4	19.3	34.6	22.3	17.8	14.7	21.9	14.5	19.5	17.3	18.2	18.6	16.2	23.3	25.9	19.1	24.6	16.1	23.9	22.3	45.1	19.7	26.6	16.1	19.7	22.9	24.8	16.3
NPLOC4	16.0	16.6	16.9	18.5	20.8	17.4	16.8	15.2	22.1	15.9	19.5	18.5	19.5	23.9	18.2	18.7	18.6	16.7	16.9	15.5	19.3	17.5	17.5	16.7	15.1	13.6	19.7	18.9	12.9	13.9	14.5	18.2	17.0	19.3	16.9	19.0	19.6	21.2	19.5	16.5
NPM1	81.3	84.7	65.0	89.4	72.8	82.3	67.0	68.2	88.9	93.3	93.1	83.4	91.9	82.6	127.2	93.7	105.7	91.6	82.6	93.7	86.0	75.3	108.7	92.6	78.6	108.9	127.6	98.3	60.7	104.4	91.8	103.8	164.4	95.6	102.9	82.7	94.2	77.3	110.7	95.6
NPM3	1.3	1.3	1.4	1.8	2.2	1.3	1.8	1.8	2.3	2.2	2.0	2.0	2.0	3.0	3.7	1.4	1.5	1.8	2.4	1.9	2.2	1.4	1.9	0.9	1.5	1.4	1.7	2.3	2.3	2.2	1.7	1.2	3.0	3.8	2.1	1.5	2.8	1.9	1.6	0.8
NPNT	0.6	1.1	0.6	1.0	1.6	0.7	0.4	1.2	1.4	0.9	0.5	0.5	1.0	3.8	5.5	0.8	1.8	0.5	0.8	1.5	1.3	0.5	1.4	0.4	0.8	2.1	0.6	0.3	1.1	0.4	0.5	1.4	3.2	1.9	1.6	1.3	1.2	5.7	3.2	0.6
NPPA	10.1	8.8	1.6	31.9	389.6	80.8	9.5	262.9	1259.9	420.3	112.7	5152.3	56.5	2331.1	2002.5	151.5	1184.4	1674.9	438.5	6128.0	57.1	704.0	105.5	5056.9	734.5	543.4	23.6	24.8	1192.1	105.1	20.5	264.6	116.8	1448.0	81.3	52.0	6.5	80.4	11.5	7.4
NPPB	2.2	86.2	2.0	13.0	19.6	4.3	0.7	8.7	523.2	355.2	36.1	2057.9	14.6	1430.5	474.3	63.2	1122.7	518.8	198.2	692.2	152.2	88.3	101.3	401.7	87.1	339.5	27.1	46.9	175.3	21.0	39.9	667.1	119.8	595.2	17.5	194.7	35.8	227.3	14.4	0.6
NPR1	4.6	2.7	2.2	1.9	4.2	3.2	1.9	2.9	4.5	2.9	2.8	2.8	3.6	2.7	7.2	4.6	3.2	4.3	4.9	4.7	6.5	3.5	3.2	3.4	2.7	2.9	2.5	2.9	2.1	2.5	3.5	3.2	9.6	4.8	3.2	2.6	3.8	3.5	3.2	3.1
NPR2	4.7	5.0	3.3	5.7	5.5	4.4	4.3	5.2	4.7	4.9	4.4	4.5	5.9	5.6	7.8	5.5	4.8	5.4	4.0	5.7	5.3	5.6	4.7	5.1	3.9	5.6	4.4	5.8	3.7	3.9	3.8	4.6	5.5	6.7	3.8	3.7	5.8	4.5	5.0	4.4
NPR3	7.7	6.7	4.4	1.8	5.5	6.3	3.9	6.3	9.5	10.9	8.7	16.8	5.1	17.2	4.7	2.9	10.9	12.4	10.5	12.3	6.4	9.1	12.7	10.8	4.7	6.1	6.3	12.6	6.2	10.3	4.6	4.2	2.8	9.2	3.4	11.9	4.5	8.4	3.7	7.6
NPRL2	5.4	4.5	4.1	4.1	6.0	4.3	4.3	4.8	5.7	3.9	4.3	4.3	6.9	6.7	5.3	4.7	4.5	4.7	4.8	4.5	5.6	4.3	3.7	5.5	4.5	5.5	5.5	4.5	5.0	5.4	5.3	5.8	4.7	4.4	5.2	4.2	5.2	2.6	4.6	4.9
NPRL3	4.0	4.6	4.3	4.3	4.7	5.0	3.4	4.7	5.0	6.4	5.1	6.2	6.3	7.4	8.5	4.2	5.2	5.0	5.7	5.8	5.9	5.7	4.6	6.7	5.2	6.3	4.4	6.6	6.6	5.1	4.9	4.9	5.2	7.6	4.8	6.2	5.0	4.9	5.8	3.9
NPTN	49.4	38.6	44.7	42.5	60.6	37.8	46.5	55.3	47.5	44.2	39.4	43.6	44.5	45.8	53.5	48.5	40.6	42.4	48.2	47.5	40.8	47.6	47.5	46.3	36.0	46.3	45.4	50.9	38.8	39.7	41.1	56.7	34.4	53.0	51.7	45.0	46.0	42.2	47.8	47.4
NPTX2	2.7	1.5	3.2	7.7	3.5	6.0	3.7	2.0	0.7	1.4	1.2	1.1	1.3	3.1	1.1	2.9	0.8	1.1	0.6	0.6	2.9	1.1	0.1	2.0	0.7	0.6	3.7	1.3	1.5	2.5	0.8	1.1	2.0	3.8	1.1	1.4	3.7	2.8	1.3	1.4
NPTXR	2.4	4.2	2.9	2.5	2.4	2.7	2.6	3.3	4.1	4.1	4.9	4.5	2.4	4.0	3.1	3.2	3.4	4.4	3.4	3.1	3.1	3.0	4.3	3.8	1.9	3.5	2.8	3.5	2.1	2.3	2.7	2.5	2.1	3.1	2.1	3.0	2.1	3.1	2.8	2.8
NPY6R	51.2	61.7	44.4	46.5	53.6	38.9	35.6	52.6	64.1	64.8	43.4	47.9	40.9	63.9	34.9	51.2	62.3	59.7	57.5	44.2	41.3	50.1	58.5	58.9	25.8	47.1	48.0	60.7	32.0	25.4	56.3	58.8	22.6	37.8	44.0	44.0	51.3	52.1	58.0	53.1
NQO1	2.4	1.3	1.6	1.7	1.9	1.9	1.1	2.8	2.9	2.0	2.2	1.0	3.4	4.1	4.9	0.5	2.6	3.0	1.5	2.4	3.8	1.8	0.8	1.1	1.2	2.2	1.2	3.1	2.0	2.5	2.9	0.9	5.1	4.3	1.5	1.5	1.7	1.7	1.2	1.6
NQO2	21.4	19.1	22.8	27.2	13.4	12.4	25.2	15.3	8.7	4.9	15.7	12.7	19.5	3.2	10.0	11.5	13.4	15.9	11.0	5.3	16.6	7.6	16.0	17.2	6.0	4.4	17.7	9.8	14.0	5.3	12.1	12.9	14.9	16.1	9.4	3.7	17.9	6.6	15.5	20.4
NR0B2	1.1	2.9	1.9	2.1	2.6	3.9	1.2	1.4	3.2	1.7	1.8	5.8	2.7	4.2	2.2	1.8	1.7	3.0	2.3	3.8	1.6	2.5	1.8	4.9	1.8	8.3	1.4	2.1	1.8	1.6	1.1	1.6	0.3	1.5	1.4	0.7	0.8	1.2	1.5	
NR1D1	2.1	5.8	3.5	5.8	7.4	8.2	5.0	3.0	7.2	3.6	5.7	9.2	6.0	6.7	6.6	11.0	3.4	4.2	3.2	2.5	2.6	4.2	8.5	6.3	1.7	15.4	6.3	1.6	5.4	0.7	3.5	6.9	1.4	2.1	7.1	3.1	9.9	6.8	10.0	1.9
NR1D2	5.7	7.1	4.2	4.4	5.6	6.4	7.5	5.0	8.7	5.7	8.7	8.3	8.6	7.7	3.0	8.2	4.4	8.3	7.7	6.5	4.7	7.6	9.2	7.4	3.2	10.0	6.0	6.7	5.2	2.5	3.6	5.3	3.3	6.3	10.3	4.6	9.9	3.4	9.6	6.2
NR1H2	17.7	18.8	17.5	22.2	20.4	17.7	17.1	16.4	22.5	22.1	18.2	22.3	23.1	24.8	23.7	19.9	20.9	16.0	20.8	18.0	21.6	18.9	19.0	19.2	16.3	17.8	20.7	22.1	16.7	21.8	17.8	22.4	26.2	25.2	19.9	17.9	24.5	23.5	22.2	17.1
NR1H3	4.7	5.4	2.7	3.2	4.8	4.5	4.1	3.7	4.0	2.1	3.9	3.8	3.5	3.6	5.7	3.2	3.1	2.6	4.4	4.4	8.6	3.3	3.5	3.7	2.4	3.0	2.6	3.8	2.2	3.3	3.3	2.9	8.9	1.7	2.0	3.3	3.1	2.1	3.2	3.5
NR2C1	6.3	7.2	5.4	5.0	6.4	5.9	5.1	6.6	7.6	5.9	6.4	7.8	6.4	6.5	5.9	5.1	8.1	7.8	7.3	7.7	5.5	5.8	6.4	6.1	6.5	5.4	7.0	7.3	4.3	4.9	5.9	5.3	8.0	7.4	7.6	5.8	8.0	5.2	6.1	7.3
NR2C2	5.9	6.4	5.5	5.8	7.1	5.6	7.1	5.6	8.1	4.9	5.9	4.2	4.0	5.8	3.0	5.6	6.1	6.0	6.5	7.7	5.1	6.7	6.0	6.3	8.3	4.2	7.3	6.8	2.7	4.4	7.1	4.9	7.6	7.9	7.9	8.6	8.9	5.2	10.0	8.8
NR2F2	4.0	4.1	3.4	5.0	5.8	3.8	4.6	4.8	5.8	4.0	4.6	4.6	8.5	5.8	17.9	4.2	4.8	5.6	4.9	8.4	9.7	3.9	5.4	4.4	2.7	5.4	3.8	3.4	5.1	2.5	4.2	4.4	9.6	4.5	2.4	4.2	4.0	3.5	6.0	4.9
NR2F6	9.9	11.8	9.9	11.9	12.4	11.0	12.5	9.3	10.5	8.2	10.1	10.2	11.0	13.7	9.3	9.6	7.9	8.3	8.9	8.3	11.9	10.1	8.3	7.8	7.5	6.9	8.9	10.5	9.4	12.8	9.9	10.6	6.2	9.9	10.1	9.0	12.7	9.5	7.7	7.8
NR3C1	6.9	5.4	4.6	5.0	5.4	5.6	4.4	5.7	8.5	6.3	7.1	5.3	6.7	9.2	7.2	5.0	6.8	8.1	7.3	11.8	7.1	7.5	6.5	6.0	4.1	6.5	3.9	5.4	4.1	3.9	6.3	6.5	8.3	6.5	4.8	6.3	6.5	4.6	5.0	8.9
NR3C2	3.9	3.3	2.0	2.8	3.5	3.7	3.0	4.4	4.3	3.5	3.9	3.3	2.4	3.0	2.5	2.6	3.0	3.8	3.4	5.3	2.7	3.4	2.8	2.8	4.1	2.8	4.2	3.5	1.8	2.3	2.5	2.1	1.8	2.6	3.4	2.4	2.4	0.9	2.1	5.3
NR4A1	37.4	7.4	8.7	16.9	12.2	83.4	26.5	7.5	17.9	59.9	22.7	12.8	41.8	38.9	29.9	40.1	22.7	12.4	32.2	38.5	9.1	17.9	6.8	6.0	74.0	251.6	38.5	26.4	7.0	329.4	14.8	46.8	400.1	88.1	26.7	21.7	76.9	53.2	38.4	54.9
NR4A2	3.2	0.4	0.2	0.5	0.4	2.9	2.9	0.3	1.1	2.4	0.5	0.7	2.0	1.7	3.1	5.0	0.9	0.6	1.7	7.5	0.4	1.5	0.3	0.3	1.7	6.3	0.9	1.7	0.3	8.8	0.2	0.8	25.4	2.0	1.4	0.6	2.4	1.2	1.5	3.2
NR4A3	2.0	0.5	0.5	2.0	1.0	3.7	2.7	0.4	2.4	5.9	1.8	1.7	2.7	3.0	0.8	3.2	3.3	3.9	2.4	8.5	1.2	2.4	0.6	1.1	2.2	17.7	0.2	0.4	0.4	8.5	0.6	0.9	16.6	11.6	8.9	0.7	2.8	0.7	1.8	0.9
NRAP	289.0	430.1	292.4	205.7	277.0	199.3	225.5	222.5	236.9	315.5	264.6	254.5	248.2	157.6	229.7	241.9	313.4	256.9	247.0	171.7	248.8	275.4	367.4	286.8	137.0	298.6	603.2	444.6	192.7	168.0	481.5	386.5	229.6	284.7	370.2	594.3	416.8	557.1	774.3	377.5
NRARP	3.1	1.6	0.8	2.3	1.9	4.3	1.2	1.0	3.2	3.3	2.9	2.8	3.8	4.7	3.7	4.5	1.9	2.0	3.0	6.0	3.6	3.8	2.1	2.8	1.6	1.9	1.6	2.4	1.6	3.0	0.7	1.1	4.8	2.4	0.9	2.7	1.7	2.8	1.7	2.2
NRAS	2.0	2.1	2.1	2.4	3.4	2.3	1.8	2.5	2.5	2.1	1.9	1.9	2.7	2.9	2.3	2.0	2.1	2.5	2.2	2.6	2.5	1.5	1.9	1.5	1.8	2.4	2.8	2.6	1.9	2.0	2.0	2.5	4.4	3.0	1.6	2.4	2.7	2.5	2.8	2.7
NRBF2	2.3	3.1	2.8	4.0	4.8	3.5	2.8	3.0	5.3	4.4	3.4	3.1	4.5	5.2	5.6	3.8	4.1	2.9	3.5	4.1	5.5	3.4	2.9	3.3	3.3	4.4	5.1	5.5	2.7	4.4	3.7	4.4	8.2	4.1	1.8	4.5	4.4	4.9	3.9	
NRBP1	17.8	19.0	14.3	17.6	19.0	15.2	13.4	15.1	18.8	19.0	16.2	16.9	20.4	20.0	23.5	15.6	18.9	15.0	17.6	21.0	21.8	16.8	17.1	14.8	11.3	16.6	20.2	18.3	14.5	17.1	15.0	18.1	25.3	20.9	16.3	17.5	20.3	18.9	19.0	14.5
NRBP2	4.0	4.3	4.6	3.9	7.0	4.6	4.2	4.7	6.0	4.3	5.3	6.4	6.1	6.0	8.9	5.1	6.1	5.6	5.7	6.4	6.0	5.5	5.1	5.5	4.2	5.7	6.3	6.6	5.8	4.7	5.6	6.0	7.7	7.2	4.9	4.8	6.0	4.5	6.0	5.0
NRD1	31.0	23.5	24.9	32.9	30.3	24.3	26.6	25.1	24.7	21.8	24.3	23.7	30.2	29.2	19.9	25.9	28.7	23.3	21.3	23.3	24.1	23.2	23.2	22.5	18.1	20.6	25.6	24.9	15.6	23.6	20.9	24.0	26.3	25.2	24.0	21.3	27.9	21.1	24.4	27.1
NRF1	3.1	2.4	2.1	2.3	2.6	2.5	2.2	2.2	3.1	2.0	2.1	2.7	2.2	2.8	3.1	2.8	2.4	2.8	2.8	2.6	2.7	3.0	2.8	2.7	2.2	2.7	3.2	2.8	1.9	2.5	3.4	2.4	3.5	3.0	3.4	2.7	3.7	2.4	3.2	2.9
NRGN	2.3	1.6	1.6	1.7	2.8	4.0	1.5	1.9	5.4	2.2	1.1	3.4	3.9	2.6	9.6	1.9	3.5	1.7	3.3	4.9	3.3	1.5	1.6	1.9	2.6	2.6	1.4	2.5	3.4	2.8	2.9	3.1	3.3	1.7	2.4	0.9	1.3	2.0	1.8	1.8
NRIP2	1.5	1.6	0.8	1.3	0.8	1.4	1.2	1.2	2.8	1.6	1.5	1.8	2.3	1.8	3.1	1.8	1.5	1.8	1.7	3.1	2.3	1.6	1.5	1.6	1.1	1.7	0.8	2.1	2.1	1.3	1.8	1.9	1.3	0.7	1.3	0.8	1.1	0.4	1.4	2.1
NRN1	4.0	3.1	1.7	2.6	3.2	3.2	2.2	3.4	3.3	2.1	4.1	3.0	3.3	2.3	6.9	2.0	3.7	2.7	4.3	4.2	4.8	2.5	5.2	4.1	1.8	3.2	3.5	2.8	3.2	3.5	4.5	4.5	4.4	2.6	2.3	1.9	3.4	2.0	3.5	4.8
NRP1	23.0	21.4	17.3	24.4	25.0	20.5	17.1	24.2	28.7	17.8	22.1	21.7	20.8	22.5	24.0	17.8	24.6	26.1	26.8	37.4	32.6	26.6	30.0	23.5	11.1	25.5	11.8	21.0	15.4	17.2	25.2	24.7	19.7	19.4	13.5	15.6	14.2	15.3	13.7	33.7
NRP2	0.7	0.7	0.4	0.6	0.9	1.0	0.6	1.2	2.3	1.6	1.0	0.9	1.7	1.3	4.4	1.5	2.0	1.6	1.5	4.4	2.5	1.1	1.1	1.1	0.7	2.3	0.6	1.4	0.9	0.8	1.0	1.1	3.6	1.3	0.5	0.8	1.2	0.9	1.2	1.9
NRSN2	2.7	2.0	3.0	4.4	3.6	3.4	2.6	2.7	3.9	3.0	3.2	3.3	3.4	4.1	4.4	3.3	3.5	2.4	3.6	3.5	2.7	2.7	3.1	3.7	2.5	2.3	2.6	2.7	3.1	2.9	2.5	4.0	2.9	2.8	2.7	2.2	2.7	2.2	3.3	2.6
NRTN	0.5	2.2	2.0	2.5	1.8	2.9	2.6	2.7	3.0	1.6	1.1	2.8	1.9	3.2	1.4	1.6	3.3	2.5	1.8	2.2	1.0	2.1	2.0	1.7	3.9	1.7	1.4	1.0	1.6	1.9	1.0	2.8	1.3	3.8	1.7	1.3	2.5	1.0	1.7	1.1
NSA2	27.8	28.3	25.8	51.8	29.2	25.2	27.0	41.3	28.1	37.7	26.6	27.9	29.9	26.5	33.1	27.5	46.6	29.8	24.7	44.0	28.0	26.0	26.9	25.6	21.2	44.2	30.2	31.6	18.9	27.4	23.0	26.3	61.0	29.1	26.7	38.3	29.7	24.7	33.4	28.2
NSD1	3.9	3.4	3.0	3.5	3.9	3.2	2.5	3.7	5.1	3.4	4.4	3.3	3.3	4.3	3.4	3.6	3.3	3.8	3.7	5.3	3.9	3.9	4.1	4.1	2.8	3.3	3.4	3.6	2.4	2.2	2.9	2.9	4.3	4.3	2.6	3.3	4.8	3.2	3.2	4.3
NSDHL	7.4	6.8	10.3	9.4	4.5	4.9	8.5	5.2	6.7	4.6	7.3	4.5	5.3	7.2	6.0	6.4	5.8	4.9	4.5	3.5	6.1	7.0	6.9	6.4	5.3	4.3	9.7	5.0	5.7	8.7	5.1	6.8	5.6	7.1	6.0	11.8	8.0	7.4	7.0	5.9
NSF	2.8	3.5	3.2	4.0	4.2	3.2	3.3	4.3	4.9	3.9	4.3	3.4	4.1	6.0	4.7	4.3	4.2	4.9	4.2	5.3	4.0	3.7	3.9	4.5	2.3	4.1	3.3	5.0	3.0	3.4	4.1	4.2	5.1	5.8	2.7	4.2	4.8	4.3	3.6	4.2
NSFL1C	12.8	9.9	9.7	10.0	11.1	11.0	9.7	9.2	12.7	11.1	13.3	15.4	11.7	11.9	14.8	11.0	10.7	12.2	10.5	12.7	12.6	12.4	13.2	12.4	11.0	12.0	13.5	12.2	8.9	11.7	10.7	13.1	11.3	11.3	12.0	11.0	11.1	11.7	13.7	12.8
NSMAF	5.4	4.8	4.3	5.4	6.8	3.7	4.2	4.9	4.8	4.2	4.6	3.6	5.0	5.8	5.1	4.5	4.6	4.4	4.3	4.7	4.6	4.9	4.4	4.3	3.1	4.0	4.5	4.7	3.8	3.7	4.4	4.7	7.1	4.7	3.2	5.3	5.6	4.9	6.1	4.8
NSMCE1	9.7	9.1	10.5	9.3	9.8	9.8	8.7	9.3	11.3	11.4	15.4	14.7	10.8	12.0	19.2	10.4	12.8	11.9	11.7	15.0	13.5	9.1	11.3	12.9	9.7	10.9	10.9	12.1	8.9	12.7	13.7	10.0	14.2	11.3	13.0	12.5	11.4	9.6	12.2	10.6
NSMCE2	6.9	6.8	5.7	6.6	7.4	5.7	6.9	6.4	6.1	5.2	6.8	7.3	6.7	8.0	6.2	6.9	7.3	6.8	6.3	6.4	7.0	5.8	7.1	5.7	4.4	6.0	6.9	7.4	4.3	7.4	5.4	7.0	8.6	5.9	5.5	4.9	6.6	4.4	7.7	5.2
NSMCE4A	5.9	7.6	6.1	6.8	7.3	6.1	6.9	6.1	7.6	7.1	7.9	6.5	9.2	7.8	8.8	6.5	7.0	6.7	6.8	7.3	7.7	6.4	7.6	7.5	6.1	7.4	7.6	6.6	5.2	6.7	7.5	8.2	9.2	6.7	8.5	5.9	7.6	5.7	7.9	6.6
NSUN2	7.0	8.4	9.3	9.7	9.0	7.6	8.9	10.4	10.6	9.2	10.8	9.3	8.5	9.7	10.0	10.0	7.8	11.2	8.9	9.9	10.0	8.1	10.5	10.4	6.8	7.7	9.0	11.0	7.1	8.9	9.2	11.5	13.2	12.2	9.2	9.2	11.2	10.4	9.9	9.9
NSUN5	2.6	3.0	2.9	3.0	3.3	2.5	2.5	2.8	2.7	3.0	4.2	3.2	3.4	3.0	2.6	2.9	2.4	3.0	3.1	3.3	2.3	2.8	3.3	2.5	2.0	3.0	2.7	2.0	2.0	2.7	3.8	3.1	3.8	3.1	3.6	2.9	3.5	3.2	2.4	2.5
NSUN5P1	1.8	2.1	2.2	1.6	3.1	1.7	1.6	1.6	2.6	1.6	2.0	2.3	1.7	2.5	3.2	1.6	1.2	1.6	3.1	2.7	2.2	1.8	1.7	1.6	2.1	1.7	2.4	2.0	2.0	1.9	2.9	2.1	2.9	2.8	2.6	1.3	2.1	1.6	2.3	2.1
NSUN5P2	1.7	1.7	1.1	1.5	3.2	1.0	0.9	1.2	2.1	1.4	2.7	2.1	2.6	2.0	2.2	1.5	2.2	1.6	2.3	2.4	2.2	1.5	2.8	1.6	2.1	1.5	1.0	1.7	2.1	2.7	2.1	1.7	2.3	1.6	2.6	0.9	1.7	1.5	3.0	1.9
NSUN6	3.4	2.8	2.2	2.2	2.4	2.5	2.9	2.5	3.4	2.9	3.0	2.6	2.9	3.9	2.9	2.3	1.9	3.5	1.9	3.9	2.6	2.5	2.5	2.4	3.4	4.1	2.9	3.0	2.6	3.2	3.3	3.1	3.7	3.5	2.5	3.4	3.0	2.2	3.3	1.9
NT5C	6.5	6.9	8.4	7.7	9.9	7.2	4.9	5.1	7.7	6.4	7.5	10.1	6.6	9.6	9.8	6.6	8.5	4.6	6.2	10.3	9.5	5.6	5.7	6.3	6.4	7.6	7.0	7.2	7.5	8.7	7.4	7.0	10.3	6.6	7.8	6.7	8.4	6.0	6.7	5.5
NT5C1A	2.1	1.9	1.5	1.0	1.6	3.9	3.7	6.3	2.9	2.0	3.2	1.3	5.0	2.0	1.8	3.4	0.9	3.9	2.9	3.6	1.9	2.0	4.0	3.1	1.3	2.1	3.4	2.3	3.1	0.8	2.3	2.6	0.8	7.1	3.8	5.6	7.2	2.1	6.6	4.2
NT5C2	4.7	6.4	5.4	6.4	6.8	4.0	4.2	4.5	6.5	6.6	5.7	7.5	6.9	7.0	6.9	5.0	8.8	8.2	6.6	6.3	6.5	6.6	8.9	6.6	5.4	6.9	7.8	8.6	5.3	4.4	8.3	7.7	8.9	7.7	5.7	6.7	7.1	7.3	9.8	6.5
NT5C3	6.7	5.0	3.1	4.3	6.2	6.1	4.7	5.8	5.7	5.6	5.6	5.9	8.5	6.2	6.6	6.0	4.5	6.8	4.6	7.1	5.8	4.8	6.0	5.5	4.6	5.1	5.8	5.8	3.9	5.3	4.6	4.5	4.8	5.2	5.0	3.9	5.3	3.5	6.4	6.5
NT5C3L	4.4	5.3	4.4	9.1	8.0	5.4	4.6	5.1	8.7	5.0	4.8	4.2	5.8	9.4	8.0	5.0	6.8	4.1	6.2	6.3	7.8	5.7	6.2	5.5	6.1	5.1	5.3	6.1	4.6	7.0	5.3	6.0	10.7	5.7	3.7	4.8	8.3	4.7	5.8	5.0
NT5DC1	8.2	6.9	7.2	7.4	9.6	6.8	7.2	7.6	8.1	6.3	7.9	8.8	6.8	6.3	5.2	8.5	5.4	7.4	8.6	7.5	6.8	7.2	7.6	7.4	5.6	5.7	7.1	5.7	4.3	6.1	5.2	6.7	5.0	6.0	7.7	6.2	6.4	4.0	5.9	9.0
NT5DC2	11.4	13.5	12.8	17.9	27.7	20.8	11.7	14.2	12.4	10.2	11.9	17.1	20.3	42.8	21.5	14.7	16.4	12.2	12.6	14.3	11.7	14.0	9.1	13.0	11.3	7.5	12.0	11.2	14.1	10.8	11.4	12.4	10.5	15.4	11.3	12.6	12.3	14.6	12.7	9.5
NT5E	1.1	0.7	0.6	1.0	0.9	0.6	0.9	0.9	3.8	2.6	1.6	0.6	5.4	1.1	5.8	1.6	2.1	1.7	1.8	6.1	3.5	1.6	1.6	1.7	1.1	2.4	0.7	1.4	2.5	1.3	0.9	2.6	2.5	2.0	1.0	1.7	1.6	0.8	0.9	2.6
NTAN1	6.5	6.1	6.4	8.7	13.3	8.6	8.8	10.7	11.8	6.8	9.0	6.6	14.4	18.8	16.1	8.3	11.6	7.6	7.3	9.3	9.6	8.7	6.4	7.3	5.6	8.7	7.3	8.5	10.5	10.6	6.6	8.7	17.2	10.1	6.8	8.1	10.2	6.2	7.4	9.3
NTHL1	5.9	4.5	2.9	2.8	4.7	6.3	3.2	6.8	5.2	2.5	5.2	3.9	3.8	6.4	4.1	3.5	2.0	4.4	2.6	5.4	4.4	3.3	3.3	3.0	4.0	4.0	3.4	4.1	3.5	4.1	4.3	2.9	3.0	3.5	3.4	2.0	3.7	1.1	2.1	3.2
NTN1	3.3	2.7	3.5	4.7	26.2	10.2	2.5	6.5	15.7	2.8	3.4	3.1	3.9	1.8	15.6	5.5	3.4	3.1	5.1	9.3	4.3	3.9	2.8	5.4	24.0	5.7	2.4	4.8	13.5	2.3	2.3	4.8	3.7	6.8	4.9	4.5	6.0	3.5	3.1	3.4
NTN4	27.3	21.1	17.9	22.8	16.3	16.2	16.2	23.6	34.5	26.5	25.5	22.7	23.0	32.5	27.2	25.7	25.9	20.8	29.2	30.8	24.9	34.3	22.4	29.3	20.3	26.1	21.8	19.1	16.7	15.4	13.9	18.8	15.6	22.0	17.7	19.0	21.9	15.5	14.0	28.0
NTPCR	14.8	8.4	10.6	10.2	12.5	13.1	10.7	9.2	16.5	10.0	12.2	13.8	11.9	15.5	5.0	14.1	11.2	14.8	8.5	13.5	8.6	14.0	10.5	15.1	10.8	9.5	12.3	13.8	10.4	17.0	4.1	15.5	10.1	13.8	7.9	8.0	8.6	10.9	10.6	15.9
NTRK2	1.1	1.1	0.6	1.0	1.1	1.0	1.2	0.8	2.4	0.9	1.5	0.4	2.7	1.5	5.0	0.9	2.0	0.8	1.5	3.2	4.1	1.0	2.0	0.7	1.6	1.7	1.1	1.4	1.4	1.9	1.3	1.3	8.4	2.0	1.2	1.6	1.7	1.2	2.9	1.5
NUAK1	6.8	10.0	8.3	7.8	10.2	9.6	8.1	9.1	8.1	8.4	7.7	6.1	7.9	15.4	13.1	4.9	10.9	9.3	6.5	8.5	9.4	7.6	12.0	7.8	4.6	12.7	9.3	10.3	6.3	8.9	9.3	10.5	8.0	11.4	9.5	9.2	14.0	12.6	9.9	7.6
NUB1	8.9	11.4	9.3	11.1	11.1	10.2	8.5	9.7	13.2	12.3	11.5	13.5	15.8	12.6	15.1	12.6	12.9	11.7	10.8	12.8	12.6	11.7	14.1	13.3	8.8	10.1	15.0	12.4	9.5	9.8	9.4	11.6	16.5	12.3	9.7	10.3	11.4	10.5	14.4	12.0
NUBP1	13.4	13.8	11.9	13.6	13.3	12.7	11.6	13.1	14.0	13.6	16.4	13.4	14.9	15.6	13.9	13.1	13.1	14.4	13.4	13.8	13.2	13.5	13.4	15.2	11.5	11.1	16.0	15.4	11.2	13.7	13.1	14.2	10.6	13.2	14.2	14.0	12.5	12.5	12.1	15.8
NUBP2	8.6	7.7	4.4	6.2	9.6	8.1	6.8	7.7	8.1	5.6	7.3	8.7	9.7	9.4	7.4	7.4	6.8	6.4	8.5	7.3	8.5	6.1	6.5	7.0	7.1	5.7	6.4	8.7	6.4	7.5	7.6	8.0	8.8	8.3	9.2	6.4	9.3	7.1	6.6	6.6
NUBPL	2.6	2.6	3.2	2.7	4.0	3.0	3.2	3.7	3.5	2.5	2.8	3.3	2.9	2.8	2.3	2.4	2.7	3.8	3.1	4.1	2.5	3.4	3.2	2.8	2.2	2.2	2.9	2.6	1.6	1.9	2.2	2.1	1.9	4.3	2.9	2.9	2.9	2.9	2.7	3.1
NUCB1	50.0	48.0	42.4	68.6	66.9	52.2	40.8	54.7	60.8	54.6	56.5	59.8	53.5	64.4	82.0	45.8	71.4	52.3	60.7	55.2	59.5	56.7	60.3	57.6	50.6	56.8	56.7	58.8	41.9	62.4	48.1	48.2	63.4	61.6	48.6	46.5	51.9	47.7	48.3	54.7
NUCB2	25.4	14.6	13.8	30.9	24.2	17.1	19.5	22.4	24.6	19.8	23.3	17.5	26.1	23.8	32.9	20.2	23.5	21.0	21.8	24.2	23.7	25.2	26.9	20.4	15.1	26.2	24.0	19.9	16.9	19.7	18.6	24.1	24.4	21.6	18.3	15.9	24.0	18.6	21.7	21.0
NUCKS1	33.4	32.5	29.3	28.2	31.9	29.2	29.3	36.8	38.9	27.9	33.9	25.6	32.9	34.7	28.6	30.3	28.3	35.3	29.9	42.6	28.2	32.7	33.1	31.2	30.8	29.1	32.6	29.7	23.7	26.6	25.8	34.0	31.3	40.3	37.0	34.4	43.1	28.3	32.3	41.7
NUDC	37.2	33.3	31.0	42.6	30.7	37.9	31.5	32.5	36.9	37.6	37.7	40.6	44.3	38.4	45.1	39.0	38.2	36.1	40.0	38.3	36.8	33.0	43.9	44.5	36.2	37.8	40.2	35.2	30.5	42.6	30.1	37.7	44.2	39.4	41.1	34.6	36.6	36.5	42.6	39.5
NUDCD2	1.6	3.6	3.4	3.9	3.8	4.6	2.7	2.6	4.1	2.9	4.6	4.5	5.4	5.0	4.8	2.9	3.3	4.9	5.5	4.8	5.3	3.5	3.0	3.3	3.4	4.2	2.4	3.4	4.0	3.6	3.3	4.2	4.7	5.7	3.2	3.4	5.1	4.5	4.6	4.3
NUDCD3	12.4	11.9	10.7	11.1	13.7	11.2	10.1	11.5	14.1	12.7	13.2	12.8	15.1	15.8	14.5	14.4	12.5	12.5	12.4	13.9	12.7	13.4	13.0	13.6	10.1	12.0	16.0	13.9	10.5	11.9	10.6	13.4	13.2	14.5	12.1	14.5	16.2	12.7	14.4	13.1
NUDT1	3.1	3.5	4.3	3.6	4.2	3.2	2.4	4.2	4.8	3.2	3.9	5.9	4.0	2.5	6.6	3.8	3.8	3.6	4.3	4.1	4.3	3.0	3.1	5.9	4.0	3.7	3.2	3.8	4.0	6.1	3.8	4.1	6.2	4.1	4.7	2.6	3.8	3.3	2.6	4.8
NUDT12	3.1	3.1	2.9	3.0	2.9	3.1	2.0	2.4	3.2	2.3	1.9	2.5	2.2	2.2	1.8	2.5	2.4	2.8	2.1	3.4	2.8	3.4	2.6	2.9	2.0	2.0	2.5	3.2	1.8	1.5	2.5	1.8	2.0	2.3	2.3	1.7	2.5	1.7	2.3	3.3
NUDT14	3.2	4.0	3.8	7.7	3.7	4.3	5.7	4.7	6.4	3.8	5.1	4.5	3.6	2.3	4.8	2.6	4.3	3.5	2.1	5.0	3.2	4.0	4.3	3.2	5.0	4.3	5.6	5.1	4.8	5.5	5.8	6.7	5.4	5.5	4.4	8.5	4.0	4.4	2.8	3.7
NUDT16	13.4	18.6	15.0	14.3	17.0	16.2	14.3	14.5	15.5	15.1	17.7	14.6	16.6	20.2	14.0	15.6	18.0	16.4	13.4	17.8	13.3	14.9	14.5	13.4	13.4	14.8	20.2	22.9	12.9	16.8	15.2	17.6	24.3	22.5	12.2	25.0	23.5	20.8	21.5	13.8
NUDT16L1	10.5	13.4	14.2	8.9	15.8	19.9	13.8	12.5	15.7	14.4	18.5	18.9	14.6	19.7	10.8	16.9	10.1	16.0	14.8	14.7	15.9	14.3	12.0	15.1	12.0	10.2	12.2	14.8	10.2	17.2	14.0	15.8	8.1	15.7	12.6	14.0	17.2	12.4	11.6	12.7
NUDT2	8.0	4.8	6.0	7.1	9.1	6.7	6.8	5.4	4.0	7.5	5.9	10.8	5.5	12.4	8.7	7.1	7.1	8.5	5.5	5.6	8.5	6.2	4.5	4.6	3.7	7.8	6.0	5.7	4.9	11.9	8.2	8.0	7.5	7.1	5.0	4.4	7.9	6.0	4.4	5.6
NUDT21	8.3	7.8	7.1	7.1	7.3	6.7	6.4	6.5	10.6	8.0	9.0	8.3	8.3	7.4	7.8	6.5	9.5	9.5	7.3	10.8	8.8	7.5	10.4	7.8	6.3	6.8	7.7	9.0	5.6	5.6	7.5	7.7	10.7	10.0	9.1	8.4	9.5	7.0	8.4	9.5
NUDT22	11.6	14.5	16.1	13.7	15.3	16.2	11.2	12.4	13.8	13.6	18.0	16.8	14.7	18.5	11.8	15.6	12.2	12.6	12.6	17.2	13.0	14.1	11.6	14.7	10.8	9.6	10.9	16.0	14.7	15.3	15.3	18.3	9.5	13.6	12.4	13.6	15.6	12.4	9.9	13.1
NUDT3	10.6	12.9	13.5	11.4	10.6	12.6	11.1	13.8	13.7	13.2	16.1	9.1	10.5	11.6	9.6	11.8	10.8	14.0	15.3	15.3	9.6	11.8	14.9	12.9	7.5	12.2	12.8	14.4	9.7	10.3	10.6	11.0	11.0	13.6	16.8	14.6	14.7	10.3	13.5	15.8
NUDT4	18.2	15.3	14.0	42.1	17.0	13.5	23.4	20.5	19.2	15.3	18.4	14.4	13.4	11.8	9.8	20.1	12.5	15.4	16.8	17.2	12.7	17.5	14.7	17.6	14.2	15.9	13.4	15.1	9.7	12.3	8.5	14.0	14.9	17.0	21.3	14.2	13.9	14.2	16.3	19.9
NUDT4P1	43.9	33.6	30.1	103.8	37.4	29.6	57.7	46.7	42.1	32.1	37.3	36.4	35.5	31.0	23.8	43.6	31.8	29.1	39.7	31.6	31.3	39.3	30.9	37.4	42.3	34.7	41.4	26.3	20.1	32.1	20.0	33.2	29.4	35.8	62.0	30.7	27.6	23.3	36.3	44.1
NUDT5	2.5	2.0	2.2	3.5	3.1	2.3	2.7	2.7	3.6	2.3	2.0	2.3	2.5	3.9	4.3	1.8	1.8	2.9	2.6	4.1	3.5	1.7	2.1	2.3	1.0	2.8	2.2	1.7	2.3	1.6	2.4	2.9	5.9	3.9	1.4	1.6	2.7	2.7	2.6	2.4
NUDT6	6.1	4.0	5.5	4.0	3.9	4.5	4.3	4.1	5.3	3.1	4.2	4.7	5.1	3.8	3.3	3.4	2.9	5.0	3.6	5.2	4.3	5.2	3.6	4.5	4.4	2.8	3.6	4.8	2.3	5.7	3.6	4.0	1.3	3.0	4.0	4.5	4.2	1.7	1.9	5.8
NUDT7	12.0	12.1	8.4	6.9	13.4	12.1	8.9	13.2	12.6	10.8	15.0	12.7	15.2	14.9	14.8	12.7	10.3	14.7	10.8	12.3	9.3	12.6	9.3	14.8	10.2	14.0	10.7	14.7	10.9	13.1	15.1	11.6	5.4	11.2	14.1	9.2	9.8	5.4	7.8	12.1
NUDT8	7.9	7.7	7.3	7.7	5.6	7.7	7.3	5.1	8.3	4.6	5.8	5.7	7.9	5.0	5.3	9.0	4.3	6.4	9.4	5.8	3.1	7.5	4.0	8.9	7.4	3.2	3.4	6.9	6.3	5.4	8.8	10.9	3.0	7.4	10.6	7.1	1.9	6.1	4.2	10.5

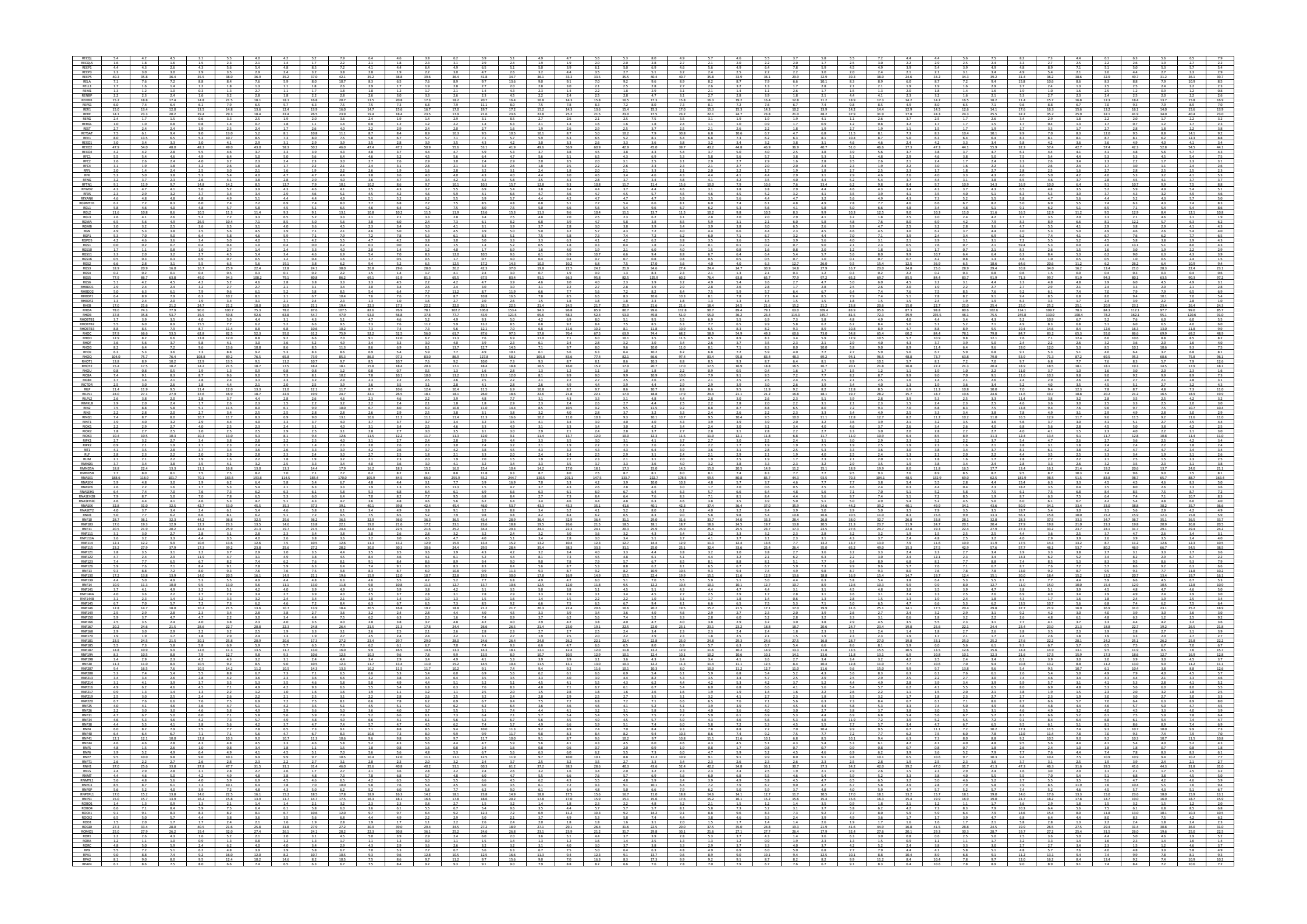
PARP4	6.6	5.9	5.9	5.4	7.1	6.5	6.1	7.0	7.5	6.1	5.7	5.0	7.2	6.0	6.0	6.5	4.3	6.7	5.6	9.2	6.7	5.2	5.3	5.8	3.6	5.7	5.5	5.5	4.1	4.4	4.7	5.4	9.1	6.7	4.5	6.3	6.6	3.9	7.1	7.8
PARP6	6.8	6.6	6.9	7.9	8.4	6.2	5.8	6.7	7.0	6.3	6.4	5.6	9.2	10.8	9.0	6.7	7.1	6.9	7.1	8.6	7.6	6.6	5.3	6.0	5.7	6.6	7.4	7.0	5.6	6.7	6.1	7.0	11.6	7.2	8.2	6.5	9.6	6.6	6.9	5.8
PARP9	5.1	4.3	3.4	7.0	5.0	5.4	4.5	4.7	9.4	5.3	5.2	3.8	17.2	3.7	7.9	4.5	4.7	5.6	6.8	8.9	6.1	5.1	4.8	10.6	4.0	4.1	4.6	4.9	6.2	5.0	4.3	6.1	7.3	6.4	4.6	5.3	5.6	3.2	5.0	7.6
PARVA	6.8	7.1	8.3	10.8	9.7	7.1	6.0	9.4	9.0	6.8	6.5	6.7	7.3	10.7	9.7	8.5	7.9	8.5	7.5	8.3	9.5	8.1	6.8	7.5	6.9	6.9	11.5	7.4	5.8	5.9	6.3	9.2	9.4	9.6	7.3	9.5	9.6	9.7	8.3	7.4
PARVB	36.5	24.5	27.7	23.1	30.4	27.1	20.8	18.8	14.8	14.0	21.3	21.1	25.5	24.2	18.0	22.7	17.5	19.1	19.2	25.0	25.8	12.7	13.2	17.2	13.1	10.9	23.5	17.8	18.2	19.5	22.0	21.9	21.2	22.0	17.5	27.1	28.6	14.3	17.7	18.0
PATL1	6.0	6.9	6.6	7.0	7.1	5.7	5.8	7.1	7.7	7.0	6.3	6.0	7.1	6.2	7.5	7.2	7.5	6.5	6.7	7.9	6.4	6.3	7.0	7.0	4.9	7.9	7.8	8.3	5.1	4.8	5.4	7.1	9.3	7.9	7.2	7.0	7.9	5.9	7.7	7.5
PATZ1	2.5	3.0	2.3	2.2	2.7	3.1	2.3	2.8	4.5	3.4	3.7	4.2	3.8	4.0	5.6	3.4	3.1	3.6	3.2	4.1	3.8	3.7	4.2	4.2	3.1	2.8	4.3	4.3	2.7	2.6	3.5	2.8	3.3	2.7	3.1	2.2	3.4	2.5	3.0	3.5
PBRM1	5.1	4.3	5.3	3.7	4.0	4.1	3.6	5.1	5.7	4.1	4.7	3.3	3.6	4.2	2.9	3.1	4.8	5.6	4.4	6.1	4.2	4.2	4.2	4.1	2.8	3.8	3.9	4.0	2.2	2.8	3.3	4.0	5.5	5.3	4.3	4.7	6.2	3.4	3.5	5.8
PBX1	8.6	7.4	3.9	7.1	9.4	6.9	5.3	9.9	9.4	6.6	8.1	6.6	8.1	8.8	11.3	6.5	6.8	7.8	7.7	10.5	7.8	6.9	7.0	7.0	4.8	8.4	5.9	7.1	6.8	4.9	5.5	5.5	7.0	6.4	7.4	4.7	6.5	4.1	6.7	8.7
PBX2	11.9	10.6	8.7	13.3	9.4	11.4	9.1	10.0	14.8	11.5	14.3	12.5	12.8	13.5	17.0	11.3	11.3	11.4	12.6	17.5	10.7	10.8	11.5	11.7	9.8	14.5	11.1	13.1	10.8	11.5	12.4	13.1	17.7	14.4	12.0	9.2	11.4	9.2	12.0	13.2
PBX3	13.6	12.0	11.1	11.0	12.3	11.6	11.0	10.8	14.5	11.1	12.8	12.5	15.3	19.6	11.7	17.0	11.3	15.8	11.5	16.3	13.2	12.4	13.1	13.9	10.5	11.1	11.6	16.6	11.7	13.9	9.2	13.8	10.0	15.5	13.1	12.2	13.8	9.4	11.7	15.0
PBXIP1	16.5	13.9	10.6	18.4	17.4	16.5	14.3	14.4	20.0	12.0	18.5	16.6	19.8	16.5	36.4	19.2	17.6	16.3	16.8	26.3	16.0	17.0	16.5	15.3	17.7	15.2	20.6	14.3	13.3	20.0	14.6	17.2	31.5	22.3	21.5	13.6	16.8	13.4	21.8	16.1
PC	1.1	1.8	1.0	1.2	2.3	2.7	0.7	1.6	1.9	1.0	2.3	1.6	2.0	1.9	2.1	2.6	1.7	1.8	1.0	1.9	8.0	1.7	1.1	1.7	1.2	1.2	1.1	2.0	1.4	1.7	1.1	1.6	3.3	2.2	0.4	1.4	1.8	2.3	1.5	0.9
PCBD1	36.0	34.5	38.5	46.4	32.1	29.5	34.3	33.6	31.9	41.8	38.6	37.2	45.7	37.2	32.4	27.7	39.6	38.4	38.6	33.3	38.2	37.6	38.8	34.2	27.4	31.9	38.8	44.4	28.7	41.9	38.3	34.7	27.7	32.8	38.4	32.5	43.4	34.1	37.4	36.0
PCBP1	58.8	61.5	55.0	59.9	65.6	64.0	56.2	58.1	69.3	61.4	66.5	68.4	70.0	77.3	85.0	73.2	64.1	60.2	59.7	69.7	66.3	66.8	67.1	69.5	50.1	65.8	61.9	62.9	52.7	69.8	58.9	74.5	91.9	75.7	60.1	56.6	70.3	66.3	66.0	63.2
PCBP2	46.4	48.5	39.3	48.4	45.8	43.4	39.2	50.1	54.6	51.0	49.1	49.6	51.2	54.8	67.7	53.4	55.7	50.4	46.2	57.5	47.6	46.2	56.0	54.8	45.3	55.6	57.2	58.7	41.1	51.1	43.7	56.3	83.1	57.4	54.6	48.0	54.7	47.0	63.1	53.3
PCBP4	13.0	17.6	19.3	27.4	23.4	15.7	18.1	18.2	17.0	19.5	17.0	20.7	17.1	26.9	21.8	20.2	20.5	16.8	18.6	16.9	23.1	16.5	19.0	17.1	16.4	18.5	24.7	24.5	15.6	23.1	28.7	27.1	17.0	29.7	16.7	22.3	33.2	31.1	23.0	14.4
PCCA	13.6	12.3	13.4	11.5	12.5	11.0	10.9	11.8	11.8	8.6	13.9	10.4	13.2	12.7	8.8	13.5	9.4	14.1	9.6	11.6	13.5	12.1	5.8	9.9	11.2	8.4	11.3	10.9	8.6	10.9	9.5	13.2	7.2	11.5	9.7	12.9	11.9	10.7	6.1	13.6
PCCB	29.5	30.4	32.6	24.8	30.3	26.2	27.0	25.2	37.9	34.2	49.7	38.4	31.6	23.4	27.4	39.3	31.6	45.7	29.3	40.4	32.8	38.6	35.0	39.3	25.7	29.8	35.3	38.5	24.2	35.5	29.0	33.9	18.0	41.3	25.0	37.4	31.7	31.6	28.9	38.0
PCDH1	4.6	4.9	7.3	7.4	7.3	5.2	4.7	6.4	7.3	5.4	4.8	3.3	4.5	4.0	6.7	6.0	4.9	5.2	5.0	5.2	6.7	4.3	4.4	3.9	2.9	4.2	5.5	7.6	4.2	5.5	6.5	8.2	9.6	9.8	6.5	6.9	7.5	6.0	10.0	4.0
PCDH12	3.8	3.1	2.6	2.2	2.4	2.6	3.2	3.6	4.7	3.5	3.1	3.0	2.6	1.7	4.8	4.4	3.4	4.7	4.4	5.2	3.2	3.2	2.4	3.7	1.2	3.6	2.6	4.8	1.2	3.2	3.6	4.7	4.7	4.7	2.4	3.3	3.8	2.8	3.7	3.7
PCDH18	1.4	1.2	0.7	0.9	1.4	0.8	1.3	1.7	2.1	0.9	1.7	0.9	3.7	1.6	2.8	1.6	1.1	1.7	2.0	3.7	4.2	1.7	1.5	1.0	1.1	1.1	1.3	1.0	1.1	0.4	0.6	0.8	3.8	1.1	0.4	2.4	1.4	1.8	1.8	1.9
PCDH7	4.5	8.6	6.2	3.2	3.7	4.2	7.1	11.6	9.4	10.4	9.9	4.2	3.5	6.5	2.4	8.8	5.0	7.8	9.8	4.5	7.5	9.5	14.7	6.8	2.0	7.8	11.6	5.0	0.2	5.1	8.3	9.2	2.6	3.4	10.1	7.8	10.7	8.2	9.7	11.7
PCDH9	1.6	1.9	0.8	3.6	1.4	1.5	1.3	2.3	2.3	1.1	1.4	1.7	2.7	1.3	2.1	2.5	1.8	1.6	2.4	1.9	2.3	1.3	1.9	1.9	1.3	1.9	1.9	1.1	1.9	0.9	1.1	1.6	2.3	2.3	1.9	1.5	3.7	2.4	2.1	3.6
PCDHB15	1.7	1.1	1.4	3.4	1.4	1.0	2.1	1.3	3.2	1.2	1.9	1.8	1.8	2.2	2.3	1.2	1.7	1.8	1.9	3.0	2.5	1.8	1.7	1.2	2.3	1.7	0.7	2.2	1.7	1.5	1.5	1.6	2.3	2.4	1.2	1.5	2.9	0.9	1.4	1.7
PCDHGA12	1.2	1.2	1.0	1.9	0.9	0.8	1.1	0.9	2.1	1.3	1.6	1.3	2.2	1.2	4.1	1.8	2.3	1.8	1.3	2.7	2.6	1.5	1.2	1.7	0.8	2.6	1.0	1.2	1.2	1.2	1.2	2.1	3.1	2.4	1.6	2.2	3.1	1.3	1.4	2.5
PCDHGA2	2.0	2.1	1.3	1.9	1.4	2.0	1.6	2.5	3.9	2.2	2.8	3.0	2.4	2.9	3.2	2.9	3.0	2.7	2.2	3.1	2.1	2.2	2.6	2.7	1.9	2.0	2.4	3.0	1.5	1.8	1.4	2.2	1.8	2.6	1.4	1.4	2.9	2.1	2.1	2.5
PCDHGA3	1.4	1.7	2.0	1.7	1.7	1.6	1.0	1.7	2.8	2.7	3.4	2.6	2.6	3.0	2.3	1.9	2.7	2.3	2.5	2.2	2.1	2.2	2.2	2.8	2.0	2.1	2.5	2.7	1.3	1.4	1.4	2.3	2.2	1.8	2.8	1.6	3.7	2.8	2.5	2.6
PCDHGB7	2.1	1.7	1.8	2.3	2.3	2.0	1.5	2.0	2.9	1.9	1.9	2.0	1.9	1.3	4.8	2.2	2.1	1.9	2.3	3.4	3.0	1.9	2.1	1.3	0.7	2.2	1.4	2.1	1.6	1.2	1.3	1.9	3.6	2.4	1.8	1.6	2.9	1.5	2.1	2.6
PCDHGC3	4.0	4.0	3.3	4.5	5.4	4.3	2.8	4.7	8.8	4.4	6.5	3.6	9.6	8.9	33.2	4.1	4.4	4.7	4.7	9.1	7.4	6.3	4.0	3.1	13.5	8.9	3.7	7.4	15.8	12.8	3.5	5.3	9.6	6.3	2.7	3.5	4.2	4.5	3.9	4.3
PCDHGC4	2.6	1.7	1.2	3.5	2.0	1.7	1.6	1.3	1.8	1.4	1.7	2.2	1.2	1.8	0.7	1.5	1.6	1.3	1.8	2.2	1.7	1.8	1.4	1.7	1.5	1.2	1.0	1.5	1.2	0.4	2.1	1.8	1.6	3.0	2.4	1.2	3.2	0.9	2.0	2.1
PCDHGC5	4.4	2.7	2.2	5.7	3.4	2.5	2.5	2.1	2.4	2.3	2.4	3.7	2.4	2.9	1.5	2.0	2.4	2.5	3.0	3.3	3.1	2.8	2.0	2.6	2.9	2.0	1.8	2.9	2.5	2.0	3.9	2.4	2.0	4.0	4.3	2.0	4.8	1.0	2.6	3.2
PCF11	4.3	3.8	3.1	4.0	3.1	3.9	2.8	4.5	5.6	4.9	4.8	3.4	4.6	4.7	3.6	3.1	3.7	4.4	4.8	6.9	4.7	3.8	3.8	3.5	2.9	3.9	3.3	3.0	2.6	3.7	2.6	2.9	10.4	9.3	4.3	4.3	6.1	3.9	5.2	3.8
PCGF1	2.8	4.1	3.6	5.5	3.2	4.1	3.5	4.4	4.1	3.4	3.1	3.9	4.5	4.7	5.2	4.6	3.4	5.7	2.9	2.9	3.5	4.0	4.3	2.7	4.1	4.2	6.1	4.2	3.8	4.5	4.9	3.6	6.0	3.6	4.0	4.4	4.8	3.9	4.6	3.9
PCGF2	3.8	3.5	2.5	2.3	4.0	4.1	3.3	4.4	4.6	4.0	3.6	4.6	4.4	6.6	9.0	4.1	4.7	4.6	4.3	5.5	6.3	4.6	4.1	3.3	3.1	4.2	3.5	4.1	3.1	4.9	4.4	4.8	7.2	7.5	4.1	2.9	4.9	5.9	4.0	3.4
PCGF3	5.8	5.1	4.9	6.7	6.8	6.4	4.3	4.9	5.7	5.8	4.7	5.7	6.2	6.1	4.9	4.3	5.1	6.1	6.7	9.1	7.1	5.9	6.2	4.9	5.2	5.1	5.8	6.2	4.7	5.0	5.0	5.1	9.5	8.1	7.3	5.7	8.7	5.1	7.8	4.8
PCGF5	5.8	7.5	6.8	5.1	6.2	4.6	3.8	5.7	6.8	5.5	5.7	4.1	5.2	8.8	4.2	4.5	5.9	7.6	5.3	8.7	5.1	5.5	5.9	4.9	3.3	5.5	4.8	6.0	3.4	4.1	4.5	5.7	5.5	7.5	5.5	6.0	7.4	5.0	5.2	7.2
PCID2	12.1	14.4	12.0	11.8	16.7	12.6	10.7	13.5	14.0	13.6	14.0	13.1	19.0	20.1	13.4	13.6	11.6	14.3	13.4	14.6	13.8	14.1	12.8	13.5	10.6	12.2	12.9	11.9	11.0	13.7	15.4	13.6	12.6	14.9	17.3	12.8	16.3	12.4	14.0	14.1
PCIF1	6.3	8.2	5.6	6.1	9.2	8.0	5.2	7.8	8.5	7.7	8.3	8.9	8.1	9.9	10.3	6.8	8.3	6.9	7.9	8.4	7.4	7.5	7.6	8.1	6.0	8.8	9.3	10.1	6.2	7.6	7.9	8.1	11.2	8.8	6.8	6.8	8.6	7.6	9.1	8.0
PCK1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.1	0.0	0.4	1.2	0.4	0.0	2.6	0.0	0.6	0.0	20.6	0.1	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.1	6.4	0.0	0.0	0.0	0.5	1.3	0.2	0.1
PCK2	0.7	0.7	0.5	1.1	1.6	0.6	0.4	0.9	1.0	0.5	0.7	0.4	1.3	1.6	1.9	0.5	1.5	0.6	0.8	1.6	4.0	0.6	0.8	1.1	0.5	0.4	0.8	0.7	1.0	0.6	0.5	0.6	4.8	1.2	0.6	0.9	0.5	0.8	1.3	0.6
PCM1	16.0	11.2	11.2	13.6	11.4	11.4	10.4	15.4	15.3	12.9	12.6	9.5	12.5	11.9	8.2	14.9	15.2	13.0	12.7	13.1	13.0	10.1	13.9	13.1	9.2	10.7	12.7	9.9	6.7	7.8	9.7	12.2	14.6	13.2	12.7	12.2	17.9	9.0	12.5	15.6
PCMT1	39.5	39.2	42.3	33.2	41.7	40.2	35.2	36.0	36.6	34.6	43.8	40.8	45.8	44.6	33.8	42.2	33.4	40.4	33.2	33.4	39.6	35.8	39.2	37.1	28.7	30.7	45.3	41.9	30.4	41.6	36.2	43.1	25.3	38.1	41.5	36.0	43.2	35.3	41.2	37.5
PCMTD1	10.2	10.6	9.8	9.1	10.6	10.1	8.0	11.6	10.7	8.6	9.9	9.0	10.0	11.3	7.5	10.8	9.2	10.9	9.1	12.2	10.4	9.6	10.2	10.0	8.3	9.3	11.1	9.2	6.4	6.6	8.4	8.0	10.1	10.6	9.7	9.7	12.8	8.4	11.2	11.5
PCMTD2	13.0	15.2	11.5	10.9	12.5	13.3	10.5	11.8	13.2	10.5	13.5	12.7	13.3	14.2	10.5	12.5	9.2	13.0	11.0	16.2	13.5	14.3	13.4	11.8	10.5	10.7	12.4	11.9	9.2	9.6	11.2	10.9	13.4	12.9	17.2	11.7	15.5	8.2	16.2	17.1
PCNA	9.4	9.0	7.4	8.4	11.3	9.5	8.7	8.9	10.3	8.7	10.1	10.0	9.8	10.7	12.0	10.4	6.2	11.4	7.1	10.7	7.8	7.7	7.4	7.6	6.7	7.5	10.2	9.2	7.5	10.1	7.7	7.9	10.6	9.4	8.4	6.5	8.2	6.2	9.1	10.8
PCNP	27.2	29.9	21.8	23.0	32.5	26.7	23.8	26.0	25.8	24.0	26.3	27.4	33.4	35.2	37.8	31.1	24.5	29.3	21.0	36.9	28.0	24.1	29.3	28.5	20.9	32.1	26.8	31.7	22.0	24.0	23.2	30.3	36.5	33.9	30.9	24.0	34.1	26.7	35.2	29.6
PCNT	4.6	6.8	4.2	12.0	9.3	6.1	4.1	6.2	8.1	8.0	7.2	6.8	7.8	6.7	3.5	7.0	6.3	4.9	8.1	4.9	6.8	5.9	7.0	4.6	4.4	4.7	10.2	4.7	2.5	4.6	4.7	3.4	8.5	7.1	5.9	10.6	9.3	6.0	11.8	4.0
PCNX	4.2	4.2	3.7	3.6	4.1	4.2	3.5	4.3	5.5	3.8	4.2	3.5	3.3	4.9	2.3	3.7	4.3	4.4	4.4	5.0	3.8	3.6	4.1	3.8	3.1	3.2	3.0	3.4	1.8	2.1	3.2	3.9	4.6	4.9	3.6	4.0	4.9	3.2	3.6	5.3
PCNXL3	2.0	2.3	2.2	2.8	2.3	2.0	2.5	3.4	2.4	2.5	2.6	2.8	3.2	3.5	2.4	2.6	2.5	2.4	3.6	2.8	2.4	2.5	2.5	1.8	2.6	3.0	2.6	2.1	2.4	2.0	2.7	4.4	3.5	2.3	2.3	3.1	2.7	2.5	2.5	
PCOLCE	5.9	8.5	6.6	11.8	14.0	11.4	10.5	13.3	19.5	11.2	17.9	7.9	29.2	31.2	63.2	7.4	9.0	14.0	16.4	29.7	29.8	14.4	11.7	8.0	16.8	28.9	8.4	16.2	37.8	22.6	9.5	21.8	30.7	27.0	11.4	10.7	31.3	15.8	9.0	10.6
PCOLCE2	14.0	18.8	13.1	11.7	23.5	20.6	12.1	17.4	62.6	45.7	51.6	23.3	29.9	24.6	110.3	29.9	37.1	20.5	53.0	76.5	90.8	43.6	23.7	37.3	26.5	48.3	26.5	21.1	31.3	30.9	16.5	26.1	19.2	39.0	29.2	33.3	21.3	27.3	19.1	32.6
PCSK5	0.9	1.0	0.6	1.1	1.4	1.1	0.8	1.3	1.7	1.7	1.0	1.1	1.4	1.9	1.3	1.6	1.7	1.9	1.6	3.0	3.0	1.4	1.0	1.2	0.3	1.9	1.0	1.1	0.6	0.8	0.9	1.5	3.9	1.7	1.0	1.6	1.6	1.0	1.4	2.7
PCSK6	7.7	7.6	7.7	7.1	6.4	6.0	3.9	6.5	9.1	7.7	12.9	5.4	10.2	5.4	12.6	8.3	7.7	6.5	10.8	12.3	24.0	14.3	8.3	5.7	5.6	9.3	10.0	8.0	9.2	7.6	3.3	5.3	4.6	7.5	7.4	14.0	13.2	11.6	8.4	8.9
PCSK7	7.3	7.5	8.5	7.6	12.2	6.6	7.0	8.5	9.9	7.2	8.2	8.0	8.6	11.9	15.8	9.0	9.1	8.1	8.0	11.3	10.2	7.7	7.1	7.5	9.5	8.6	8.1	8.8	8.4	8.3	9.7	10.4	19.4	12.0	8.3	9.1	10.9	13.1	10.6	8.5
PCTP	4.9	4.8	5.8	6.0	3.7	3.7	3.2	5.2	5.2	4.1	5.5	5.0	4.8	5.1	5.2	6.5	4.2	4.6	4.3	5.9	5.8	6.3	4.0	5.6	4.1	4.1	6.4	5.3	3.8	6.6	4.7	5.4	7.1	5.6	5.9	4.4	7.3	5.5	4.8	5.1
PCYOX1	13.4	9.3	9.3	9.0	11.1	11.0	9.0	12.8	12.3	7.6	10.3	7.0	7.7	9.9	7.0	10.3	7.4	12.9	10.4	12.0	9.5	8.7	10.4	8.4	5.9	6.6	7.7	6.9	3.9	5.0	6.0	7.1	6.1	8.0	9.3	5.8	6.6	3.5	5.4	12.6
PCYT1A	19.5	17.4	23.2	23.2	18.0	16.8	18.9	23.6	26.5	19.9	24.4	12.8	17.9	23.1	14.9	21.0	20.0	21.7	20.8	21.4	20.7	20.4	22.1	19.1	12.3	15.4	24.4	22.5	13.1	13.5	16.7	22.6	14.4	20.1	20.3	26.4	26.7	23.0	20.8	26.8
PCYT2	6.8	10.1	8.5	9.2	10.0	11.4	6.3	8.4	7.8	9.2	10.9	12.7	7.7	10.7	7.6	9.9	7.0	11.0	6.9	10.5	7.4	7.6	7.4	7.7	6.4	7.0	7.7	7.9	7.5	8.2	6.8	7.6	5.7	10.2	3.8	8.5	7.5	6.2	5.5	4.9
PDAP1	17.1	19.4	18.2	19.3	21.2	18.3	17.8	21.4	20.2	18.9	21.0	22.0	21.5	23.1	24.9	20.0	21.8	19.7	19.2	17.7	19.5	18.3	20.6	19.1	17.5	18.6	21.6	21.0	17.7	21.2	17.0	21.5	21.9	21.7	17.3	19.8	21.2	18.7	21.4	18.9
PDCD10	9.0	11.9	10.3	10.4	12.1	8.1	9.5	11.2	12.4	11.0	9.0	10.7	12.0	14.4	11.3	11.3	12.3	11.2	10.3	9.2	12.9	10.0	10.6	11.3	7.2	10.4	12.6	13.2	7.6	8.8	8.9	13.5	14.3	10.2	7.8	11.9	9.2	9.2	11.3	12.8
PDCD11	2.7	2.9	2.5	3.4	2.9	2.1	2.0	2.6	3.3	2.6	2.1	2.4	2.6	3.1	3.2	2.6	2.6	2.7	2.3	2.9	3.1	2.6	2.6	2.5	2.3	2.8	3.2	3.0	2.2	2.2	2.4	2.4	4.2	4.0	1.8	3.0	3.2	3.1	3.1	2.7
PDCD2	3.5	5.0	4.8	5.5	5.2	4.3	3.6	4.4	5.3	5.3	4.6	4.4	4.7	5.3	6.0	4.2	5.1	4.4	4.8	6.0	4.8	3.9	4.0	4.4	3.6	3.6	4.2	4.2	3.3	3.7	4.0	4.4	6.2	5.7	4.2	4.9	4.8	4.1	5.3	4.8
PDCD2L	2.2	2.5	2.3	2.3	2.0	2.6	3.1	1.9	3.4	3.5	3.1	3.1	2.5	2.2	2.3	2.1	2.7	3.2	3.5	3.2	3.0	3.6	2.6	2.2	2.8	1.4	2.6	3.2	2.2	2.8	3.2	2.6	2.4	2.4	2.5	2.9	2.6	2.9	1.9	2.2
PDCD4	11.5	5.7	4.5	4.2	9.5	8.2	6.1	8.4	8.6	6.0	6.8	6.1	9.9	7.7	9.8	7.8	6.4	6.6	6.9	10.0	8.6	8.8	5.2	6.0	9.7	8.3	9.3	5.5	7.5	8.3	5.4	6.0	17.7	12.0	9.9	9.0	8.2	8.8	12.6	8.5
PDCD5	38.4	48.4	46.0	59.5	34.0	37.5	48.9	42.6	38.0	42.6	45.4	42.3	42.5	40.5	43.1	42.0	46.0	33.7	43.6	39.2	38.6	34.2	44.5	34.1	29.6	36.9	39.9	46.7	34.4	39.4	53.8	51.9	40.4	42.7	46.3	45.2	33.1	35.3	48.9	44.8
PDCD6	9.0	10.5	11.5	12.6	12.4	9.9	9.9	10.1	17.6	10.2	14.6	12.7	15.2	16.8	19.6	12.8	13.2	13.0	12.2	16.5	17.1	12.7	11.7	13.2	13.0	11.6	14.0	16.7	12.1	13.3	14.2	14.1	17.7	12.2	13.5	12.6	14.1	9.7	10.7	14.0
PDCD6IP	14.7	14.5	13.5	14.6	14.7	12.0	10.9	14.6	16.8	14.6	12.9	12.9	14.1	15.1	12.0	13.0	15.0	14.0	13.9	16.7	15.6	13.8	14.3	14.4	9.2	13.6	14.7	13.7	8.8	9.6	12.1	14.0	18.9	16.8	13.3	15.2	17.1	13.5	14.7	14.5
PDCD7	2.6	2.3	2.7	2.1	3.4	2.3	1.8	2.5	3.3	2.6	2.5	3.2	3.1	3.3	3.1	2.8	3.0	3.3	3.0	3.7	3.5	3.0	2.7	2.5	3.1	3.0	3.3	2.0	3.0	1.9	2.4	2.7	4.6	3.7	2.6	2.9	3.5	2.6	2.6	2.6
PDCL3	9.0	10.1	8.7	9.7	13.6	11.5	9.6	12.6	9.6	8.7	8.3	7.9	14.5	17.7	14.3	10.1	11.6	12.0	9.9	11.1	9.8	8.8	8.7	8.4	14.0	8.5	11.5	13.2	9.9	16.8	11.3	14.8	14.0	20.0	11.7	10.1	14.9	14.5	12.5	9.1
PDDC1	2.3	2.8	2.5	2.3	3.1	2.5	1.8	2.4	3.5	2.6	3.5	3.7	2.6	2.8	3.3	2.6	2.6	3.1	3.4	3.9	3.8	3.0	2.5	2.6	2.7	2.6	2.9	3.1	3.0	2.8	2.7	3.3	3.1	4.2	4.2	2.3	3.7	3.1	3.0	2.0
PDE12	1.8	2.4	3.7	2.2	2.5	1.6	1.7	2.9	3.2	2.1	2.5	2.3	2.5	2.4	1.9	2.1	2.2	2.4	2.1	3.1	2.3	2.1	2.3	2.3	1.7	2.1	2.7	1.9	1.3	1.9	2.0	2.5	2.7	3.5	1.8	3.0	3.4	2.6	3.2	2.7
PDE1A	6.9	1.7	3.1	1.6	8.1	3.4	1.6	5.8	4.1	8.0	3.8	6.7	6.3	10.2	7.4	1.6	6.4	5.9	3.9	9.8	4.0	8.2	2.6	4.1	2.0	2.6	8.2	5.3	2.1	4.9	2.3	1.8	5.7	4.9	3.6	2.1	2.9	2.5	1.5	3.1
PDE1C	23.8	23.0	22.5	16.3	26.3	19.3	19.1	23.0	31.4	17.6	28.1	17.7	17.3	18.8	10.6	15.8	18.5	27.2	25.4	28.6	13.9	23.9	22.7	20.8	14.4	23.1	18.0	22.4	13.2	11.9	21.9	17.5	9.5	24.7	25.7	19.8	36.7	10.0	17.5	30.2
PDE2A	5.8	4.5	3.1	2.5	6.5	5.6	4.3	4.1	4.7	2.9	3.8	2.6	4.8	4.1	5.2	6.1	3.4	3.3	3.8	4.8	6.8	3.7	4.1	3.5	2.5	2.7	6.6	3.0	3.0	4.9	4.4	3.3	16.3	3.9	5.0	4.1	7.0	3.8	6.1	3.7
PDE3A	47.9	24.1	33.6	24.5	21.8	28.6	19.0	24.9	46.7	31.2	38.5	19.0	11.7	21.6	3.7	22.0	25.5	29.7	38.5	30.5	19.8	30.7	27.5	29.8	16.2	18.8	29.2	17.9	5.0	2.0	11.8	15.2	14.2	23.0	35.8	23.7	32.1	11.5	14.6	60.1
PDE3B	1.9	1.6	1.4	1.4	1.7	1.3	1.4	2.3	3.0	2.1	2.2	2.1	2.1	3.2	1.9	2.1	3.5	2.1	2.5	3.4	7.5	2.6	2.0	1.7	1.9	1.6	2.2	1.5	0.8	1.7	1.4	2.0	5.7	2.9	1.8	2.8	3.9	3.0	2.0	3.1
PDE4A	3.2	3.6	3.3	5.3	4.3	3.6	3.0	3.4	3.1	1.1	3.8	2.0	3.8	3.2	4.7	3.9	2.4	1.8	2.4	2.6	2.4	2.1	2.2	2.1	1.4	2.0	4.0	2.6	1.8	2.3	2.8	2.9	3.9	2.0	2.8	1.8	2.3	1.9	2.5	2.6
PDE4B	4.7	2.7	4.4	17.6	1.0	0.9	3.4	0.9	3.2	2.8	6.5	6.5	6.4	5.7	2.3	4.9	4.9	3.0	4.3	8.7	4.8	10.0	5.3	7.1	0.6	3.7	2.2	3.7	0.5	2.8	1.4	1.5	7.3	1.3	0.6	2.7	2.2	1.5	1.6	7.7
PDE4D	5.9	3.0	4.3	4.4	2.4	1.9	2.8	3.2	4.4	5.2	4.4	3.0	2.5	2.5	1.3	3.3	3.8	3.6	4.4	3.7	3.0	3.9	3.5	3.7	2.5	2.7	2.7	1.9	0.9	1.2	1.5	1.9	2.4	2.9	3.7	2.3	2.5	1.3	1.7	5.5
PDE4DIP	337.3	309.6	276.4	300.3	344.0	267.6	302.6	288.0	331.4	325.6	364.3	293.6	335.7	398.1	205.2	334.4	321.2	370.0	287.7	223.0	282.5	318.3	280.4	272.1	189.3	248.2	393.7	321.6	203.0	254.5	315.9	304.3	169.7	356.1	267.5	344.0	431.4	356.3	282.5	303.2
PDE5A	1.8	1.2	1.2	0.8	1.8	1.2	1.1	1.4	2.6	2.0	2.1	1.3	3.5	3.0	3.9	1.6	2.5	3.0	2.5	9.5	2.0	2.5	2.3	1.5	2.1	3.5	0.9	2.1	3.5	1.4	1.6	2.3	2.0	3.1	1.4	1.9	2.0	1.5	1.4	2.8
PDE6D	4.3	6.3	4.4	7.7	5.8	7.6	4.4	6.3	7.3	8.0	6.0	5.8	6.8	9.1	7.6	5.8	7.4	8.0	6.8	7.6	7.0	7.9	7.4	8.5	5.6	4.5	5.0	5.9	6.1	5.6	5.6	7.4	7.1	6.0	6.6	5.9	5.5	4.9	7.7	7.1
PDE7A	14.3	29.2	24.5	27.3	27.7	21.4	21.9	24.5	14.4	15.4	14.2	14.8	11.9	21.4	8.8	14.1	18.1	17.0	17.6	13.2	13.7	12.6	16.4	13.4	29.6	24.6	36.2	25.6	11.0	33.8	27.8	24.8	28.5	32.9	42.3	29.3	38.4	22.2	30.4	15.8
PDE7B	2.5	2.4	2.1	2.2	2.5	1.9	1.6	2.6	2.2	1.6	2.7	2.8	1.2	1.4	1.0	1.5	1.3	2.1	2.2	2.4	1.9	3.5	3.0	4.0	0.8	1.6	1.7	1.8	0.7	1.1	1.7	1.5	1.1	0.7	2.1	1.1	0.8	1.1	1.4	4.6
PDE8A	5.7	4.5	4.7	5.1	6.3	5.6	4.8	5.2	5.4	6.4	4.6	7.0	5.7	7.7	6.7	5.9	6.1	6.0	5.5	7.4	6.2	5.4	4.8	6.1	4.6	6.9	5.2	5.5	4.4	5.7	7.6	6.3	9.6	7.5	5.3	7.3	6.7	8.4	5.7	5.4
PDE8B	0.9	0.5	0.4	0.4	0.6	0.3	0.3	0.9	1.1	1.8	1.3	5.5	2.0	3.2	1.2	0.4	3.0	2.5	1.9	1.8	1.2	1.2	0.6	0.7	0.6	0.7	1.0	1.0	1.3	1.3	0.9	0.8	1.6	3.2	0.5	2.1	0.8	4.0	3.3	0.8
PDGFA	3.2	3.0	2.3	1.9	2.4	3.5	1.9	3.1	4.2	3.7	3.2	3.6	4.4	4.0	7.7	2.9	3.3	3.0	2.5	1.8	5.1	3.4	2.6	2.0	3.1	3.4	6.1	3.3	2.4	3.0	1.5	2.7	4.7	3.9	7.5	2.8	2.6	1.7	3.0	3.8
PDGFB	5.5	5.8	6.3	4.0	4.6	6.0	4.4	4.0	4.9	3.9	6.3	4.4	5.2	3.4	7.6	4.1	2.3	3.4	4.4	4.7	4.5	4.2	6.3	3.9	2.5	4.5	4.6	4.6	3.1	3.4	4.8	5.3	5.3	7.3	5.0	3.2	4.4	4.2	8.5	6.7
PDGFC	2.5	2.2	1.8	2.6	3.2	2.3	2.0	2.6	4.3	2.8	3.0	2.9	3.4	2.9	4.5	3.4	4.0	2.9	2.7	3.7	2.8	3.0	3.5	2.6	2.0	3.2	3.1	3.7	1.8	2.7	1.9	3.1	3.4	2.6	2.8	2.3	3.3	2.5	2.7	4.3
PDGFD	4.0	8.0	4.8	3.6	7.0	5.1	5.1	5.6	5.2	6.6	6.6	4.7	12.4	10.2	12.1	6.9	6.5	7.8	5.1	17.8	7.5	5.7	7.0	6.5	5.1	13.9	6.7	9.9	6.8	5.3	3.5	6.3	24.2	15.0	5.8	7.7	20.0	9.9	12.9	9.3
PDGFRA	7.4	4.6	4.1	4.0	8.3	5.9	4.8	10.0	5.1	4.2	4.1	2.1	7.9	8.1	9.9	6.1	5.0	6.0	4.9	12.3	9.6	5.2	4.5	3.4	6.4	8.0	7.2	3.2	4.9	4.1	1.8	5.3	18.3	9.3	3.9	7.0	9.9	5.4	6.7	7.3
PDGFRB	15.4	14.7	9.6	16.3	18.8	22.4	12.3	13.7	20.9	12.7	14.9	13.5	13.1	18.0	41.0	15.2	14.2	12.7	15.7	23.9	19.0	13.7	12.3	11.8	9.3	23.4	9.6	14.0	16.0	11.5	16.6	20.0	36.9	12.4	9.6	12.9	14.8	12.2	16.1	14.7
PDGFRL	2.5	2.0	2.1	1.7	5.1	2.9	2.4	3.4	5.3	4.5	2.7	3.8	1.3	7.1	9.5	6.1	4.7	2.5	4.4	4.7	5.7	5.3	3.9	1.7	4.1	3.5	3.7	5.2	4.8	4.6	1.4	4.4	10.1	3.6	5.7	7.2	6.4	4.6	5.6	3.4
PDHA1	73.6	76.2	92.7	90.1	72.7	79.1	81.7	81.7	81.7	70.9	84.1	68.6	69.0	65.1	49.5	84.0	62.0	75.0	67.4	62.6	64.5	76.0	70.5	79.9	64.6	53.4	79.9	77.7	52.2	83.2	69.1	82.5	35.4	78.7	65.1	85.7	68.6	71.9	63.7	88.4
PDHB	62.5	75.7	67.8	58.2	65.4	70.6	69.7	66.8	66.5	52.5	74.5	59.9	69.2	64.5	50.7	66.0	49.7	68.5	60.6	59.9	57.2	69.1	62.0	54.8	51.2	48.1	75.2	74.9	48.1	75.7	64.4	68.9	34.7	66.2	69.7	65.2	69.7	63.1	68.4	69.6
PDHX	22.2	24.7	32.4	24.1	20.0	20.8	22.3	27.0	30.0	30.2	35.3	33.3	28.7	26.3	16.6	34.2	24.0	38.1	24.3	24.8	24.6	27.4	29.1	21.6	21.8	23.9	28.4	32.5	17.5	27.2	21.7	36.7	13.7	30.1	20.4	27.7	23.8	24.2	26.7	26.7
PDIA3	28.8	33.8	31.4	55.6	35.9	31.0	34.6	34.8	39.4	30.8	27.7	32.9	43.6	43.8	59.0	32.3	34.3	33.6	31.6	45.9	42.4	34.8	38.6	35.9	24.0	43.5	34.5	32.5	32.3	36.2	28.0	38.5	45.8	40.9	29.8	33.8	38.6	37.3	35.6	36.8
PDIA3P	3.8	4.7	3.7	5.3	5.0	3.3	4.4	4.2	4.9	4.1	4.7	4.9	6.1	4.9	6.9	4.6	4.3	4.1	4.2	5.9	4.0	3.7	6.0	6.4	4.0	4.6	5.1	4.8	4.0	4.4	4.5	5.0	5.3	6.6	4.7	4.3	4.4	4.8	4.7	4.8
PDIA4	5.7	6.4	4.0	11.2	5.6	5.1	8.3	6.6	9.0	4.7	6.2	4.9	8.7	10.2	12.9	5.9	5.3	6.5	5.9	9.1	10.0	6.5	7.2	7.4	4.5	7.8	4.9	6.9	7.3	5.4	5.9	9.2	8.6	9.2	4.6	5.3	8.0	6.5	6.9	6.5
PDIA5	1.9	1.6	1.5	3.4	2.8	1.8	1.9	2.4	3.3	1.5	2.5	2.4	3.0	2.9	6.3	2.3	2.8	2.2	3.1	3.3	3.1	2.3	1.6	2.2	1.4	2.8	1.6	2.4	3.5	2.7	2.3	3.2	6.7	2.0	1.2	2.2	2.3	2.1	1.8	2.0
PDIA6	33.3	32.5	27.1	47.5	36.5	30.8	35.4	40.0	39.4	37.4	32.8	36.5	42.4	43.3	40.9	30.0	36.1	38.2	33.6	37.9	43.7	36.5	44.7	33.9	21.0	36.6	35.0	30.8	28.0	30.0	26.4	38.9	32.1	41.7	32.9	30.3	39.5	41.1	34.3	36.6
PDK1	6.5	6.5	8.0	7.1	6.6	4.5	4.6	4.8	8.6	9.1	11.2	9.2	4.2	5.6	2.8	8.3	6.2	9.2	7.3	5.7	11.2	8.4	6.7	7.9	5.0	6.7	7.5	6.9	2.4	6.0	6.3	6.9	2.9	6.6	7.6	6.1	6.9	5.2	4.0	8.4
PDK2	37.8	43.8	45.8	47.7	49.6	47.0	38.3	54.8	38.9	41.5	46.2	48.8	44.6	43.0	37.6	41.0	41.8	42.5	41.0	44.0	37.9	48.6	48.4	51.0	36.5	36.3	49.5	45.0	27.6	37.1	30.1	38.2	25.6	35.2	48.0	37.6	37.3	28.7	45.9	50.5
PDK4	55.2	67.1	259.2	218.4	578.1	85.2	394.9	39.9	69.3	539.4	205.9	509.2	262.0	404.7	50.0	493.9	643.1	525.1	500.6	283.6	339.7	232.1	300.2	108.4	580.0	547.8	1062.5	496.8	132.0	412.8	49.2	191.3	1128.8	725.7	891.2	1038.5	1085.9	570.4	895.8	492.9
PDLIM1	107.9	122.6	93.9	83.3	145.5	103.2	101.9	89.4	126.1	132.1	121.7	116.9	141.9	124.4	129.7	169.3	122.8	142.7	128.5	99.0	122.7	123.8	153.2	121.0	124.1	140.9	182.2	177.8	98.3	201.0	135.4	167.1	148.7	153.9	130.8	150.7	146.4	181.2	188.6	103.4
PDLIM2	2.0	2.0	1.7	2.0	2.7	2.0	3.5	3.0	2.6	1.3	2.6	2.2	4.6	5.5	8.1	2.9	3.2	1.7	3.0	4.9	4.7	2.3	3.2	2.2	1.9	2.0	2.4	1.9	1.9	1.8	2.5	4.5	4.1	2.4	2.5	1.6	3.5	2.1	2.6	1.8
PDLIM3	74.1	28.0	60.9	21.8	58.5	30.4	35.0	30.5	80.8	90.5	62.0	82.6	46.5	57.6	69.6	84.7	51.4	64.4	77.9	68.0	63.4	75.8	57.3	69.8	30.7	60.5	82.1	72.6	45.5	47.5	67.0	96.7	28.8	83.5	87.6	81.1	45.5	62.8	58.9	72.5
PDLIM5	268.5	250.2	263.6	296.3	296.2	238.4	242.9	265.3	257.2	255.7	245.2	248.2	276.4	244.6	185.1	318.3	203.4	261.6	252.7	191.3	229.0	256.5	287.7	246.4	172.9	252.8	338.0	307.3	147.4	291.0	305.4	277.6	138.2	242.4	334.5	260.2	357.7	231.3	315.6	322.6
PDLIM7	12.8	10.3	12.5	14.0	38.0	15.7	10.1	21.9	26.6	16.3	15.3	22.3	16.5	31.3	62.4	14.2	26.2	16.3	23.9	37.3	26.3	14.6	14.5	18.0	24.8	27.7	11.0	15.2	29.2	21.9	20.6	26.5	21.0	31.3	17.5	15.9	16.2	21.2	14.7	10.6
PDP1	15.1	21.3	14.4	9.0	12.4	21.8	14.3	18.7	21.3	9.9	23.2	14.4	10.7	15.1	7.2	12.3	9.8	14.8	13.6	15.5	10.0	16.3	15.2	15.5	9.5	11.2	11.2	14.2	7.0	8.0	15.2	14.2	6.2	11.6	10.3	14.7	10.5	14.9	17.0	18.1
PDPK1	6.2	7.2	6.5	6.1	7.1	5.3	4.6	6.8	7.2	6.5	7.2	5.7	5.9	7.8	5.4	7.2	6.4	6.3	6.6	7.5	7.2	6.4	7.1	7.3	3.6	6.2	8.0	6.7	4.4	4.1	5.1	5.7	7.4	7.7	5.8	7.2	6.2	6.6	6.7	7.0
PDPN	3.8	2.1	2.2	2.9	4.1	1.6	2.0	2.5	2.7	2.9	4.4	3.8	3.3	1.3	1.3	3.8	2.4	1.8	4.5	2.1	3.8	3.1	3.5	2.8	1.0	1.2	2.8	3.1	1.0	2.0	1.7	3.2	6.1	1.7	3.4	2.6	3.3	2.5	1.9	3.9
PDPR	5.4	7.3	6.4	7.0	8.7	7.5	5.2	4.3	6.7	7.9	6.0	5.8	5.4	7.6	5.1	4.4	4.8	4.7	7.2	5.9	5.9	5.4	6.7	7.0	3.9	6.1	6.0	6.5	4.0	3.3	4.7	3.5	5.6	4.7	6.2	4.3	7.1	4.6	7.6	8.3
PDRG1	3.7	3.8	2.9	3.6	3.9	3.9	2.5	2.9	4.5	3.4	5.4	4.2	3.9	4.3	4.0	4.6	2.7	3.8	3.1	5.6	5.9	2.9	4.2	4.4	3.4	2.7	3.7	4.3	3.5	4.7	4.3	4.9	4.4	6.3	5.0	4.5	4.0	4.1	5.3	3.8
PDS5A	5.8	5.3	5.6	5.1	6.4	4.1	4.5	6.5	6.6	5.5	4.9	4.2	5.1	6.3	4.4	4.7	6.0	6.4	5.0	6.6	5.4	4.6	5.0	5.0	4.0	6.1	5.0	5.4	3.6	3.9	4.7	5.1	9.4	8.1	5.0	5.8	8.3	5.1	4.8	5.8
PDS5B	2.0	2.2	1.9	2.0	2.1	1.8	1.9	2.7	2.4	1.5	1.8	1.4	2.3	2.0	1.9	1.8	1.6	2.1	2.1	3.1	2.0	2.0	2.0	1.7	1.6	2.1	1.7	2.4	1.4	1.3	1.7	2.1	3.1	2.5	2.1	2.1	3.3	1.4	2.3	2.6
PDSS2	3.5	3.6	3.0	2.7	3.7	3.7	3.0	4.5	3.9	3.2	5.0	3.9	3.2	4.0	2.8	3.6	3.0	4.1	3.3	3.4	3.3	3.4	3.2	3.5	2.8	2.6	3.4	3.3	2.8	2.3	2.3	3.4	2.5	3.8	2.7	3.2	3.4	3.9	3.3	3.7
PDXDC1	12.8	15.8	14.9	15.9	17.8	13.6	13.1	15.0	16.8	15.3	16.1	14.6	15.2	19.3	15.6	16.7	15.7	15.8	14.1	16.9	15.6	16.5	13.7	15.9	10.4	13.4	16.6	15.0	10.8	12.7	11.0	15.2	19.7	18.1	14.2	16.6	17.4	19.7	16.8	16.4
PDXDC2P	1.8	1.7	1.7	2.2	3.1	1.7	1.1	2.2	2.4	2.2	2.1	1.7	2.5	2.7	3.3	2.8	1.5	2.3	2.2	3.4	2.1	1.0	1.6	1.8	2.0	2.8	2.9	2.1	1.8	2.0	3.1	2.7	3.2	3.2	1.6	2.5	2.6	1.2	2.7	2.6
PDXK	5.9	6.1	5.4	4.9	4.5	4.7	5.4	5.2	4.9	5.0	6.2	4.7	4.7	3.9	4.4	5.9	3.9	4.7	5.0	5.0	7.6	4.5	5.5	3.9	3.0	4.6	4.5	6.2	3.5	4.1	4.8	4.9	5.5	6.2	4.4	4.8	4.9	3.9	4.5	3.5
PDXP	4.1	5.3	5.8	3.8	6.1	5.2	4.8	5.7	6.5	7.2	6.2	7.5	7.4	8.2	4.9	6.7	6.6	6.4	6.7	5.1	6.2	6.3	7.1	7.0	3.7	4.8	6.1	8.1	3.6	6.2	4.9	5.6	4.1	4.8	4.9	5.2	5.2	5.5	6.2	6.4
PDZD11	10.1	10.7	9.1	10.6	12.6	11.7	10.8	11.6	13.0	11.4	12.2	14.5	12.2	14.0	15.0	12.1	11.6	12.9	11.1	13.7	13.4	12.3	10.3	13.7	10.5	10.7	11.4	12.3	10.3	15.5	12.3	12.7	11.3	10.6	11.6	10.8	12.0	11.0	12.8	12.0
PDZD2	11.1	15.3	9.1	6.9	14.6	12.0	10.0	13.0	9.7	9.3	11.7	7.8	5.9	5.3	3.7	9.5	7.5	11.3	10.5	9.5	7.8	9.0	10.5	10.1	7.2	7.1	11.3	7.3	4.0	4.4	5.9	6.1	7.9	16.0	10.2	14.8	11.5	11.5	12.7	11.1
PDZD8	3.3	2.8	2.9	2.2	2.6	2.2	1.9	2.9	3.4	2.9	3.0	1.9	2.0	2.5	1.5	2.5	3.5	2.9	3.5	3.6	2.7	2.7	3.0	2.2	1.6	2.7	2.9	1.9	1.2	1.1	1.8	2.2	5.1	4.9	2.8	4.0	4.4	3.0	3.1	3.1
PDZRN3	30.6	17.4	13.7	15.0	30.1	23.1	31.4	32.8	24.2	18.5	22.1	16.3	21.2	22.6	13.2	21.4	16.7	18.2	19.6	12.2	18.3	14.2	16.6	18.9	16.1	17.9	21.1	19.7	13.7	16.3	11.5	16.1	16.6	17.4	20.5	8.9	16.5	6.6	18.5	25.5
PEA15	74.0	84.2	69.3	71.1	81.0	64.4	59.8	73.4	84.3	91.7	82.8	70.2	78.4	137.2	93.1	64.6	100.0	90.1	86.2	78.8	83.8	72.6	73.3	64.2	59.6	90.2	104.0	100.4	57.4	70.1	91.8	102.9	84.5	97.7	94.2	88.3	113.4	138.9	112.4	70.1
PEAK1	6.4	5.4	7.3	7.4	9.4	7.1	5.8	7.1	10.1	8.5	7.4	5.5	5.9	10.8	5.5	5.8	9.1	10.8	8.2	12.1	6.6	7.6	8.0	7.6	4.8	7.6	6.3	7.2	3.7	4.6	4.0	7.8	7.4	8.7	9.6	6.6	9.0	11.0	9.1	8.6
PEAR1	3.2	3.8	3.4	2.5	4.7	5.4	3.5	4.3	4.5	2.5	3.3	3.1	2.9	3.2	6.6	3.2	2.8	3.5	3.5	5.3	5.3	3.2	3.9	3.3	2.7	3.7	4.7	4.0	4.0	3.7	4.5	4.1	7.5	4.7	5.3	4.4	5.0	4.4	5.0	3.9
PEBP1	159.2	150.6	136.0	137.4	184.1	162.8	142.3	139.7	129.8	130.3	170.4	190.5	141.1	122.9	151.0	147.2	136.4	161.8	152.7	143.4	153.1	141.3	138.2	147.5	124.1	134.5	164.9	162.0	101.5	164.6	134.1	129.5	116.7	153.3	162.5	146.8	131.5	127.7	147.0	130.9
PEBP4	86.3	53.7	56.1	93.2	149.6	88.8	52.7	86.7	53.5	42.0	68.0	106.3	25.9	54.4	25.3	74.3	49.4	55.0	69.5	62.5	49.4	54.0	46.2	93.5	51.0	32.2	73.5	53.4	13.2	49.4	33.7	59.5	21.4	38.5	70.4	56.4	39.6	23.1	42.3	70.7
PECAM1	7.4	8.2	6.4	7.5	9.7	9.3	9.8	6.5	10.4	10.4	5.4	8.1	10.5	8.5	15.3	9.3	12.4	9.0	8.6	8.4	11.4	5.4	8.6	6.9	7.3	9.2	8.0	9.1	6.8	9.7	9.3	7.5	30.2	8.5	5.8	7.1	8.5	7.7	11.4	7.1
PEF1	11.6	12.8	11.2	12.2	16.5	14.2	11.0	11.5	14.8	13.6	13.4	14.4	17.4	23.1	20.3	13.2	16.9	14.2	14.1	15.4	15.2	13.2	13.6	14.4	12.0	17.1	15.6	16.0	11.7	19.0	16.0	17.6	18.0	17.1	15.3	13.0	18.6	17.2	13.5	12.6
PELI1	2.7	2.3	1.8	2.0	3.1	3.2	2.8	2.2	3.7	3.2	1.9	2.3	3.6	3.0	4.2	4.4	2.9	3.3	3.6	3.3	5.8	2.3	2.2	2.0	2.7	7.9	1.8	3.4	2.1	5.3	2.2	4.2	14.3	5.1	1.2	4.1	4.1	3.2	4.7	3.2
PELO	3.5	3.9	3.7	4.0	4.5	3.5	4.0	3.3	4.5	3.9	4.3	4.1	4.3	6.3	6.9	4.7	4.0	3.6	3.3	5.8	4.0	4.1	4.4	3.6	4.1	4.6	3.8	3.3	3.4	3.9	3.4	4.6	4.9	2.8	5.1	4.8	3.6	5.2	4.4	
PELP1	4.4	4.9	3.4	5.1	5.7	5.3	4.3	4.7	6.2	5.2	5.9	6.3	7.1	6.4	8.7	6.4	7.3	6.0	6.8	5.8	5.5	4.8	5.4	6.0	5.7	6.5	6.0	6.6	6.8	6.7	6.4	5.8	7.6	8.1	5.1	6.2	6.0	5.7	5.4	5.0
PEMT	4.5	4.1	5.2	5.4	5.7	5.9	4.7	5.0	5.2	4.5	5.5	5.0	6.4	7.4	6.8	4.2	4.7	3.0	5.9	4.7	8.7	6.5	4.3	5.2	2.5	6.1	4.9	4.6	4.1	5.6	3.2	4.3	5.8	5.4	4.0	4.4	5.6	4.3	2.7	4.5
PENK	0.1	0.6	0.2	0.1	0.2	0.2	0.4	0.0	1.7	2.2	5.3	0.8	8.2	17.7	19.1	1.4	3.8	1.7	1.9	11.5	4.9	1.0	3.3	1.2	1.6	4.5	0.8	5.4	12.4	11.7	1.4	7.5	7.2	14.5	1.6	9.4	35.0	4.9	1.9	1.0
PEPD	6.6	7.3	5.5	5.6	9.4	7.8	7.9	7.8	10.1	5.9	7.3	6.3	8.9	8.4	17.2	7.9	7.6	8.6	8.1	10.6	10.5	6.8	7.3	7.0	4.7	9.8	7.3	10.3	7.2	9.3	7.1	8.6	13.0	9.5	8.1	8.1	8.3	6.8	7.3	7.5
PER1	9.5	19.3	20.1	13.7	22.4	28.7	23.7	16.5	15.1	18.0	14.0	15.0	17.8	27.7	17.3	30.8	20.3	18.2	18.1	10.2	14.1	11.4	12.2	10.7	31.8	64.1	36.1	35.1	23.4	56.5	27.5	29.5	70.9	53.7	50.3	26.4	54.1	29.5	48.7	13.2
PER2	0.8	1.2	0.7	0.1	1.8	1.0	0.7	0.8	2.7	2.2	1.5	1.8	1.6	1.0	1.5	1.8	1.9	2.0	2.5	1.9	2.0	2.0	1.5	1.6	2.5	6.5	1.3	3.3	1.4	2.1	1.1	1.4	5.9	5.7	4.9	3.5	3.8	0.9	5.4	1.4
PER3	2.8	3.6	2.0	1.0	2.9	4.1	3.0	2.8	4.3	2.8	6.6	4.7	6.0	3.3	1.4	3.1	2.4	4.2	5.0	3.1	3.6	5.6	4.3	4.3	2.4	6.9	2.2	5.0	4.2	1.8	1.8	2.3	2.4	5.0	7.1	3.7	4.4	1.1	4.5	3.8
PERP	15.1	15.8	13.1	15.7	16.9	11.1	12.9	15.0	15.3	16.0	17.8	16.7	20.6	20.6	14.3	20.1	14.7	14.6	14.5	10.1	16.5	17.7	22.6	17.9	11.1	12.2	19.0	16.2	13.8	17.7	13.6	18.9	8.4	15.2	13.8	12.1	16.1	15.6	15.7	17.7
PES1	3.7	4.6	4.1	6.0	4.8	3.8	3.8	3.4	5.4	4.5	4.2	5.3	6.7	7.2	9.0	4.8	5.8	3.9	4.9	5.6	6.0	4.8	4.7	4.8	4.4	5.0	6.0	7.0	5.9	6.5	4.8	6.5	8.8	7.1	4.5	5.6	6.1	7.4	5.9	3.9
PET112L	19.8	17.9	17.9	20.6	18.4	16.2	17.6	19.1	20.6	15.7	23.0	17.3	19.4	19.6	16.2	18.6	11.4	24.3	16.3	20.5	19.7	19.8	18.6	20.3	17.9	15.0	20.6	21.3	12.3	22.1	17.0	18.5	8.9	21.7	17.2	16.3	17.4	14.4	15.7	18.7
PET117	2.7	5.2	4.5	5.2	2.9	2.7	3.9	3.3	4.1	3.2	4.8	3.9	4.0	4.2	4.0	3.4	3.9	2.6	2.7	2.5	3.4	2.9	3.2	2.2	2.4	2.6	3.6	2.0	2.3	3.4	2.5	3.5	3.4	3.7	2.3	4.0	3.7	2.9	4.1	4.4
PEX1	4.0	4.6	4.6	3.2	4.6	4.3	3.0	4.1	5.2	4.4	5.2	4.0	4.2	5.5	2.9	4.1	4.1	5.3	4.6	4.8	4.5	4.4	3.3	4.5	3.8	4.5	3.8	4.1	2.6	3.3	3.6	3.8	3.8	4.2	3.4	4.1	6.0	2.6	2.7	4.6
PEX10	4.0	3.6	3.7	3.8	6.9	4.0	3.5	4.6	4.7	3.6	5.8	5.0	4.4	5.2	5.6	3.9	5.2	5.4	4.2	5.1	4.4	4.4	3.8	5.3	4.1	3.4	5.3	3.2	5.0	3.9	4.1	5.7	3.5	5.4	3.8	4.1	4.9	5.6	3.5	4.9
PEX11A	2.4	2.6	3.1	3.5	2.6	2.1	3.4	3.2	3.4	3.6	2.5	2.9	3.2	3.9	2.4	2.6	2.3	3.4	3.0	2.6	7.0	3.8	3.7	2.7	1.5	2.4	4.1	3.2	2.2	3.4	3.3	2.6	2.1	3.8	3.8	3.2	5.3	2.6	3.9	4.0
PEX11B	6.7	8.3	7.9	7.5	8.0	7.6	7.0	7.7	9.4	7.2	8.5	8.5	8.6	9.1	9.8	8.1	6.4	8.4	6.4	9.2	8.3	7.8	8.1	8.2	7.4	6.2	9.3	6.9	7.9	8.8	7.0	9.0	7.1	8.3	7.8	7.6	8.0	5.8	8.3	8.4
PEX12	2.1	2.3	2.1	1.9	2.0	1.8	1.8	2.1	3.8	2.7	3.3	3.5	3.6	3.6	3.1	2.7	2.8	3.4	3.2	3.5	2.8	2.9	3.7	3.6	2.2	2.3	3.1	3.4	2.4	1.8	2.3	2.8	1.8	3.1	1.8	2.5	4.8	2.5	2.5	2.4
PEX13	3.3	3.0	3.4	2.3	3.1	2.7	2.7	2.6	3.4	2.9	3.2	2.5	2.7	3.0	2.7	2.8	2.3	3.2	2.9	2.8	2.9	3.0	3.1	2.9	2.0	2.2	3.1	3.3	1.6	2.3	2.7	3.2	3.0	2.8	2.8	2.9	3.0	2.6	2.8	3.5
PEX14	5.4	4.7	5.2	5.2	5.1	4.1	4.3	4.5	4.9	5.6	5.3	5.0	4.9	5.7	5.2	6.4	4.4	4.8	5.0	3.8	5.2	4.7	4.9	4.7	3.9	4.0	7.7	5.6	2.3	5.6	5.3	5.5	5.0	4.8	4.5	4.5	6.1	4.4	3.9	5.2
PEX16	1.4	2.4	2.3	1.9	2.1	2.5	2.3	1.8	3.4	2.8	3.6	3.4	2.7	3.2	3.5	2.6	3.8	2.1	2.6	4.5	3.4	3.0	2.5	3.0	2.6	1.9	3.0	2.7	4.2	2.7	3.0	5.0	3.4	2.7	3.6	3.0	3.4	3.1	2.6	
PEX19	16.1	14.5	14.6	13.6	16.2	15.1	13.9	15.0	16.4	12.5	18.0	15.0	16.4	16.8	14.7	17.4	13.5	15.8	15.9	15.0	18.1	15.2	14.9	13.8	12.7	11.8	18.2	16.7	10.5	14.5	13.6	16.2	13.5	14.7	17.3	15.1	16.3	14.0	15.9	16.8
PEX2	3.5	3.4	2.6	3.4	3.9	2.3	3.3	3.6	3.9	2.8	3.5	3.3	4.1	3.9	3.4	3.7	3.5	3.0	2.4	3.7	3.4	3.2	3.4	3.0	2.7	2.6	3.5	3.7	2.7	3.0	3.0	3.2	3.3	3.3	2.4	3.1	3.7	3.0	3.7	3.1
PEX26	1.8	2.3	1.8	1.6	2.6	1.7	1.6	2.5	2.7	1.9	1.9	1.8	2.2	2.6	3.3	2.5	2.3	2.5	2.2	2.7	1.9	2.2	1.9	2.3	1.6	2.8	1.9	2.3	2.1	1.8	2.0	3.0	3.2	2.5	1.9	2.7	2.3	2.3	2.4	2.4
PEX3	4.9	3.5	3.2	3.8	2.8	3.6	3.2	4.0	4.5	3.6	3.4	4.3	3.8	3.7	4.5	3.9	4.1	4.8	4.0	4.8	3.8	4.3	4.2	4.9	3.1	3.3	3.6	4.0	3.3	3.6	3.2	4.2	3.1	4.2	3.4	3.9	3.2	3.4	4.0	4.5
PEX5	5.7	6.3	5.6	6.8	7.9	5.5	5.4	5.4	6.8	4.7	7.8	4.0	6.3	9.4	6.6	6.0	4.8	5.1	4.2	6.7	7.4	5.4	4.6	5.2	5.8	5.1	6.7	7.3	4.6	6.6	5.2	6.0	8.1	6.0	5.7	5.0	6.1	5.3	5.5	6.3
PEX6	5.3	4.6	2.9	4.0	5.4	4.9	2.9	4.6	4.4	5.0	4.4	4.7	8.2	4.3	3.3	4.9	3.8	4.6	3.3	6.0	4.3	4.9	4.4	4.1	3.7	5.1	3.7	6.0	4.2	3.7	2.6	4.1	6.2	5.0	3.9	5.6	5.3	5.0	4.7	3.3
PEX7	5.0	3.3	4.3	2.4	5.4	5.0	3.3	4.1	4.5	3.3	4.8	6.1	4.0	4.9	5.4	5.3	4.4	6.4	5.5	4.2	4.6	3.4	4.2	6.1	5.3	3.7	4.4	5.0	3.2	7.1	4.7	5.3	2.6	5.2	5.5	3.2	6.8	3.6	4.3	5.2
PFDN1	26.0	22.5	26.1	20.5	31.1	24.9	22.4	27.3	24.9	25.6	25.6	25.9	29.7	31.8	32.1	28.7	27.2	27.6	26.9	20.9	30.5	27.9	36.9	25.7	19.6	24.1	38.2	28.5	23.1	26.8	36.6	34.2	23.4	28.7	26.1	23.8	32.6	28.0	32.1	28.2
PFDN2	29.4	23.5	21.6	26.1	15.7	19.2	23.0	19.7	24.5	24.3	27.5	24.7	25.8	21.2	24.5	22.1	23.9	26.2	24.9	26.2	29.1	19.9	28.2	23.4	23.3	28.2	31.8	27.5	20.2	30.3	34.5	25.7	30.1	28.1	32.9	22.4	22.8	23.1	26.2	22.9
PFDN4	6.3	6.5	5.6	7.2	7.2	6.4	6.8	6.2	6.7	7.5	6.8	6.7	9.8	8.9	7.6	6.8	8.5	9.1	7.6	7.7	6.9	6.5	8.7	5.8	6.4	5.7	6.9	7.4	5.9	6.9	6.0	8.0	6.3	6.6	5.9	5.3	7.5	5.6	7.4	7.7
PFDN5	126.1	137.8	106.9	120.3	134.1	111.1	127.7	109.0	121.0	106.3	122.1	134.0	107.7	108.9	164.9	104.1	114.7	113.5	114.2	147.9	115.1	97.5	128.9	118.6	138.8	127.4	134.2	131.7	98.8	147.1	128.1	117.0	183.8	126.9	159.3	109.3	112.1	90.3	138.2	116.5
PFDN6	11.0	15.7	13.8	17.4	12.0	13.6	14.3	14.3	14.0	14.9	15.3	15.7	12.7	14.7	14.8	15.6	12.8	13.8	17.7	14.7	12.0	10.6	16.5	16.6	14.9	10.2	19.8	17.8	10.7	14.3	21.5	15.9	16.2	13.4	16.1	14.5	11.4	14.7	14.9	16.5
PFKFB2	19.2	19.0	18.3	20.6	20.1	21.5	10.4	12.3	13.1	19.5	26.9	16.2	5.3	9.1	7.2	10.9	11.5	11.9	16.1	11.4	6.4	9.9	14.2	15.6	5.8	26.6	9.4	20.5	5.8	8.1	9.5	18.2	6.8	7.7	9.9	4.7	5.4	3.7	6.2	11.3
PFKFB3	4.1	3.5	3.1	2.5	5.5	3.4	5.0	2.8	3.8	3.5	3.6	2.6	4.9	5.1	4.5	4.1	6.4	2.4	3.6	4.2	15.4	3.1	3.1	2.0	2.4	6.4	3.5	3.2	1.9	5.8	2.3	2.6	29.8	4.3	4.8	3.4	4.1	5.3	10.1	4.0
PFKL	10.6	10.5	9.3	10.0	18.2	11.3	9.9	10.7	15.8	15.1	15.5	16.0	15.4	15.0	24.1	14.2	15.8	14.0	16.2	14.4	20.9	13.5	11.5	14.5	8.9	14.2	12.1	14.6	12.9	14.7	11.5	17.9	21.8	17.0	11.6	11.8	13.5	14.9	10.7	11.5
PFKM	189.2	169.5	157.1	90.2	154.8	175.2	131.6	127.6	117.7	134.3	183.6	169.4	135.5	114.8	71.6	131.6	103.9	123.3	144.9	137.9	128.7	147.2	135.0	157.6	84.8	105.1	180.2	170.5	69.9	128.1	114.4	114.1	64.8	121.3	145.1	127.6	157.0	100.4	127.9	188.5
PFKP	45.5	64.0	37.2	36.7	47.5	42.4	38.0	45.4	54.3	52.3	52.5	68.4	46.9	54.6	55.1	48.4	59.1	52.4	45.7	43.6	51.0	44.8	72.2	52.9	39.5	48.1	43.9	62.6	33.7	48.2	52.1	57.2	35.5	56.3	44.0	47.1	45.2	54.0	63.1	31.4
PFN1	92.9	97.4	108.3	144.2	139.5	103.0	117.6	101.4	126.9	91.8	118.2	110.2	118.2	121.9	177.0	99.2	130.1	97.0	116.0	130.5	129.6	95.6	105.2	107.5	108.6	120.2	99.9	120.7	113.3	114.9	91.1	134.6	180.1	133.7	92.8	106.8	106.4	106.1	111.3	92.2
PFN2	18.8	12.6	12.8	18.9	6.9	10.9	14.0	8.3	17.2	19.5	26.5	13.0	21.0	27.3	19.5	17.3	22.0	16.9	17.0	15.3	17.5	16.6	20.6	13.0	6.5	15.4	13.8	17.3	10.9	14.7	17.6	18.1	13.7	11.8	13.4	10.5	17.6	13.1	14.8	17.7
PGAM1	66.2	57.2	75.5	68.3	97.6	56.9	70.3	86.5	97.2	88.7	94.3	100.7	88.6	139.1	91.0	70.1	91.8	80.3	81.8	82.2	100.1	87.4	94.9	84.3	50.5	64.8	70.7	81.8	74.1	101.1	60.8	87.1	63.3	90.8	60.4	72.4	73.0	88.6	74.0	64.4

PGAM2	304.4	274.6	293.6	193.9	243.1	250.6	271.5	217.2	145.4	150.5	204.8	149.6	182.8	134.7	106.9	160.0	106.6	116.3	176.4	150.3	138.3
PGAM5	3.3	3.9	3.9	3.6	3.2	3.1	3.2	3.5	4.3	3.9	4.8	3.4	3.5	3.9	3.0	3.2	3.8	4.1	3.0	4.1	3.7
PGAP2	6.0	4.9	3.9	3.6	6.8	6.3	4.9	4.1	3.3	3.2	4.7	5.8	3.0	5.2	4.5	3.7	4.1	3.8	3.6	5.6	3.7
PGAP3	3.3	2.9	2.5	2.7	4.9	3.7	2.9	3.6	5.3	3.7	4.5	4.7	3.4	5.1	5.2	3.2	4.1	3.3	3.6	4.9	4.4
PGBD5	1.6	1.8	1.2	1.6	1.8	1.9	1.9	1.6	3.3	2.3	3.5	2.5	3.2	3.0	1.5	3.6	1.3	2.5	2.3	1.7	1.5
PGCP	11.6	6.6	6.4	5.7	13.6	9.7	9.4	9.7	13.8	10.2	11.1	9.6	17.9	10.8	27.2	12.1	12.7	13.3	10.0	20.3	13.4
PGD	10.1	8.6	7.1	11.5	10.1	8.4	9.7	8.8	10.6	8.6	9.8	8.0	11.5	10.6	13.1	9.5	10.7	9.4	8.5	10.4	21.6
PGF	0.7	1.7	1.3	2.7	1.6	2.5	0.5	1.1	2.4	1.5	2.1	1.6	3.0	3.2	4.3	1.6	2.6	1.6	2.1	3.8	2.0
PGGT1B	2.5	2.1	2.4	1.7	1.6	2.4	2.2	2.1	2.8	2.1	2.4	2.6	2.4	2.6	2.3	2.3	2.1	3.0	2.5	3.8	2.4
PGK1	110.7	96.5	101.8	102.3	135.6	89.2	105.5	108.6	115.4	114.5	123.3	133.3	119.1	137.7	85.8	113.6	108.1	117.1	102.7	108.3	126.3
PGLS	5.9	5.3	5.4	4.7	8.3	7.8	4.6	4.7	9.4	5.7	6.2	6.2	7.8	12.3	12.7	5.1	7.1	5.0	7.4	8.6	11.8
PGM1	66.1	83.6	71.0	78.2	76.7	59.8	59.6	75.8	53.8	53.7	60.0	61.0	68.2	60.2	51.2	59.5	58.2	55.4	57.1	44.4	62.8
PGM2	3.0	1.9	1.9	2.0	2.2	2.1	2.7	1.8	3.2	2.8	1.9	2.3	3.1	2.2	2.9	2.8	1.9	2.2	2.0	2.9	2.5
PGM3	1.8	1.5	1.8	2.4	1.8	1.4	1.8	1.8	2.4	2.4	2.0	2.2	2.5	2.9	2.5	2.2	2.0	3.1	2.5	3.5	2.5
PGM5	46.0	38.8	33.3	22.7	48.5	40.8	27.8	44.3	46.2	39.4	42.0	48.7	36.1	46.5	44.6	19.4	38.7	42.3	35.8	40.4	35.7
PGM5P2	2.2	1.7	1.8	0.7	1.9	1.0	1.1	1.9	2.2	1.9	2.1	2.0	1.6	1.9	1.6	1.0	2.5	1.7	2.6	2.6	1.3
PGP	9.4	10.9	10.1	9.4	7.3	7.8	9.6	10.4	8.0	7.1	6.6	8.0	6.8	7.5	5.4	7.0	6.8	6.1	7.8	7.5	6.3
PGPEP1	2.3	3.2	2.0	2.8	2.1	2.1	2.2	2.3	3.2	1.9	3.6	2.4	2.5	2.9	2.8	2.8	3.1	3.5	1.9	2.8	1.8
PGRMC1	9.1	7.2	5.4	5.9	10.2	8.6	5.2	7.8	9.2	6.1	7.7	7.1	10.6	10.0	16.8	7.2	8.3	8.8	7.7	12.0	14.6
PGRMC2	11.3	9.9	6.8	8.5	9.2	7.2	8.3	7.6	8.2	9.1	8.1	8.9	9.4	11.3	10.8	9.2	9.5	9.1	8.1	9.2	10.1
PGS1	3.1	4.6	2.9	3.6	4.9	3.7	2.9	4.1	4.8	3.8	2.7	4.5	4.1	3.6	5.2	3.4	3.8	3.4	4.6	6.7	4.4
PHACTR1	15.9	11.0	11.5	19.4	10.3	8.1	12.9	15.8	10.7	10.5	12.2	5.5	7.2	6.4	4.3	18.6	10.3	7.4	13.5	5.3	10.4
PHACTR2	4.3	2.6	2.3	2.9	2.0	2.7	2.1	3.2	3.9	2.4	3.1	2.2	2.6	2.4	1.8	2.0	2.6	3.0	3.8	4.8	2.8
PHACTR4	2.3	2.8	2.6	3.3	3.0	2.6	1.7	3.5	3.3	2.3	2.5	2.3	2.7	3.1	3.5	2.4	2.3	2.9	2.7	4.2	3.4
PHAX	4.0	3.2	2.8	2.7	3.4	2.4	2.7	3.4	4.2	3.6	3.0	3.0	3.3	4.6	4.4	3.3	4.0	3.7	3.1	4.1	3.3
PHB	40.9	41.4	41.1	41.4	42.6	40.4	41.7	41.9	40.7	41.9	44.2	43.5	41.7	42.9	39.0	38.7	36.8	43.7	44.1	41.2	40.6
PHB2	48.8	49.8	47.5	50.2	58.0	49.4	52.5	46.2	47.2	42.3	53.7	55.3	50.4	50.8	47.5	46.7	45.1	49.4	49.4	47.5	54.3
PHC1	6.7	7.8	3.9	5.3	7.7	6.7	4.7	7.2	7.1	6.0	6.0	6.0	5.7	7.8	8.8	5.2	6.3	6.8	6.5	10.6	8.0
PHC2	18.7	24.0	20.8	30.9	38.3	22.6	21.7	22.1	22.8	20.1	21.2	22.7	19.1	26.3	28.7	23.9	24.9	21.0	22.9	24.9	21.0
PHC3	1.6	2.1	2.0	1.6	2.0	2.1	1.3	2.0	3.0	1.9	2.4	1.8	1.7	2.2	1.7	1.8	2.0	2.3	2.2	3.8	2.0
PHF1	12.4	13.8	10.7	13.6	12.8	15.0	10.0	9.9	15.4	14.0	13.8	17.9	14.6	17.3	21.3	14.4	14.8	14.5	14.3	18.0	13.5
PHF10	14.2	13.2	10.9	10.1	10.0	8.4	10.0	13.1	14.5	14.6	12.5	9.9	10.1	11.5	11.4	11.3	13.4	14.0	12.5	16.1	12.1
PHF11	4.8	5.5	4.0	6.9	6.2	4.4	3.4	4.8	7.1	6.6	4.8	5.2	8.4	6.6	8.7	5.4	4.9	4.2	6.1	6.5	6.2
PHF12	3.3	4.6	3.6	4.1	5.0	4.1	3.4	4.7	5.8	4.4	4.3	5.4	5.6	5.4	8.0	4.7	5.0	4.2	4.6	5.4	5.0
PHF13	1.3	1.6	1.3	1.5	1.6	1.7	1.1	1.3	2.2	1.7	1.8	1.5	1.5	2.3	2.8	1.8	1.4	1.6	1.2	2.3	2.4
PHF14	2.8	3.6	3.2	2.8	3.2	3.2	2.6	3.1	3.7	2.9	3.7	3.7	3.7	3.1	4.5	2.7	2.4	3.1	2.6	4.6	3.9
PHF15	3.8	3.5	2.6	3.4	3.2	3.4	2.4	3.2	4.5	3.5	3.5	4.5	4.9	5.5	6.3	3.8	5.4	4.7	3.8	4.8	3.8
PHF17	5.5	6.0	6.3	5.1	5.8	5.1	5.6	5.2	5.4	5.0	4.6	4.2	4.1	7.3	5.4	5.6	6.5	5.5	4.7	5.6	5.3
PHF19	2.1	2.1	2.3	1.7	2.7	2.5	1.4	3.2	3.0	2.6	2.9	2.2	3.5	4.5	5.6	2.8	2.5	3.1	2.6	4.5	3.1
PHF2	6.6	7.3	5.8	5.8	7.7	5.4	5.6	7.4	7.7	5.9	6.7	6.4	5.9	5.7	8.6	6.8	6.6	7.0	7.2	7.8	6.7
PHF20	4.1	4.4	2.9	3.5	3.8	3.5	3.0	4.1	4.2	4.0	4.0	3.0	3.6	5.2	3.3	4.1	3.9	5.1	3.7	5.2	3.4
PHF20L1	7.0	8.6	9.5	7.0	9.3	7.0	6.5	8.3	7.8	7.3	6.5	4.8	6.5	11.3	4.3	6.9	7.3	8.9	6.9	8.1	6.0
PHF21A	3.5	3.9	2.3	3.9	4.0	3.8	3.3	3.6	4.1	3.3	4.0	4.0	4.9	5.5	5.0	4.2	4.4	3.9	3.7	5.0	4.9
PHF23	4.0	4.8	3.4	5.1	4.0	4.1	3.5	4.5	5.1	3.9	3.5	4.7	4.3	3.6	4.9	4.6	4.0	3.4	3.2	5.3	5.5
PHF3	5.8	6.0	4.9	4.7	6.1	4.9	5.1	5.6	6.8	5.3	5.7	3.7	4.9	5.9	4.5	4.8	6.5	6.0	5.6	7.4	4.5
PHF5A	7.2	6.6	5.3	5.9	7.7	6.5	6.4	6.7	7.2	5.0	7.4	6.7	7.1	8.0	7.3	5.9	7.4	7.1	5.6	7.5	8.5
PHF6	2.1	2.6	1.8	2.9	2.3	1.6	2.1	2.3	2.8	2.4	2.3	1.7	2.2	2.8	1.3	2.0	2.1	2.9	2.4	3.1	1.6
PHF8	2.3	2.9	2.7	2.3	3.2	3.6	2.5	2.5	4.5	2.8	2.9	2.8	3.4	2.9	4.5	3.4	3.5	3.2	2.8	4.1	3.4
PHGDH	2.0	1.3	0.9	1.4	2.3	2.0	1.2	1.6	2.1	0.6	2.5	1.1	2.3	3.6	8.0	0.9	1.2	1.0	1.2	3.8	6.4
PHKA1	3.4	3.0	4.0	3.1	3.5	3.4	3.5	3.4	3.7	3.8	5.6	4.8	3.1	3.5	2.0	3.7	4.2	3.8	3.6	3.6	3.5
PHKA2	7.2	6.8	6.4	6.4	9.4	7.2	7.6	9.1	6.6	5.8	6.1	6.5	5.9	5.8	4.3	6.0	5.5	6.2	6.9	6.7	6.4
PHKB	13.3	11.2	14.0	11.2	13.0	12.1	12.7	12.1	14.4	11.5	13.0	9.7	13.9	14.4	8.6	12.7	11.8	13.3	12.1	13.1	12.2
PHKG1	11.2	4.4	5.3	18.2	5.2	7.1	5.0	4.1	10.9	8.5	9.6	8.8	8.2	4.0	3.5	8.7	9.1	5.3	9.1	5.2	4.4
PHLDA1	1.0	2.4	0.7	0.9	3.1	2.3	0.5	2.4	7.3	2.9	2.4	8.3	1.1	8.7	7.1	1.0	3.0	8.3	2.4	14.2	2.2
PHLDA3	5.6	5.6	4.6	7.0	7.1	5.9	4.2	5.3	7.8	6.5	7.6	7.3	9.0	10.4	22.7	4.8	11.5	5.3	7.3	8.4	14.9
PHLDB1	19.3	23.6	18.5	16.8	27.0	21.8	14.4	19.1	26.7	19.3	21.2	20.4	20.3	24.1	45.3	18.0	21.5	18.5	20.3	30.2	28.1
PHLDB2	20.4	18.6	18.0	12.8	13.0	11.4	12.2	12.1	23.4	19.3	22.1	17.2	20.5	27.6	10.8	16.5	25.9	23.4	23.0	20.2	18.1
PHPT1	43.9	39.5	39.1	46.5	47.2	43.4	38.9	43.3	40.2	36.9	42.1	48.3	40.6	45.3	41.3	36.6	39.4	36.8	39.9	35.2	42.8
PHRF1	4.5	4.9	3.5	4.8	5.5	4.6	3.9	4.8	6.0	4.4	4.6	5.3	5.1	5.4	6.4	5.5	4.5	4.5	4.6	5.0	5.4
PHTF2	5.2	4.1	4.2	2.6	6.3	4.2	4.4	4.6	4.6	4.3	6.1	3.7	4.6	3.8	2.7	4.7	2.8	4.3	4.6	3.8	4.8
PHYH	42.7	57.8	48.9	53.2	50.4	47.2	42.9	52.1	48.8	44.3	63.9	70.5	57.0	49.4	36.3	48.6	53.3	53.8	51.7	43.8	48.0
PHYHD1	5.3	7.9	5.6	13.5	6.7	5.4	9.2	6.4	4.5	3.2	5.6	4.0	5.6	5.8	5.8	4.6	3.5	4.7	6.8	4.8	5.5
PI16	7.4	4.2	1.6	1.2	12.7	4.4	4.2	6.5	16.5	9.8	10.4	10.8	17.5	18.5	49.9	19.8	4.3	17.6	18.3	50.6	48.8
PI4K2A	3.3	4.4	4.5	4.0	4.8	4.4	4.0	4.3	6.1	5.0	5.0	5.7	5.7	6.3	6.5	5.9	7.0	5.9	5.1	6.6	6.7
PI4KA	7.3	8.0	6.4	8.6	9.1	7.8	6.8	7.2	8.6	7.5	3.6	6.6	9.2	11.4	11.0	7.1	9.4	8.0	7.5	9.0	8.7
PI4KAP1	2.5	9.1	3.9	5.6	2.2	1.9	1.5	4.0	4.6	2.7	5.3	2.8	2.0	7.8	3.1	5.2	2.2	1.7	2.7	6.9	3.7
PI4KAP2	2.8	5.9	1.8	4.8	3.4	3.3	3.1	4.4	4.7	4.1	3.4	3.8	3.8	4.1	5.1	4.4	3.7	4.3	3.3	5.1	1.8
PI4KB	7.0	8.2	8.0	7.1	10.0	8.1	6.5	8.1	9.5	7.4	7.6	8.8	9.2	9.1	11.7	8.3	8.6	8.7	8.4	11.3	9.1
PIAS1	6.2	6.2	6.3	5.6	8.9	7.9	6.1	7.6	8.0	5.5	5.7	4.6	5.5	6.4	5.4	6.2	7.3	7.2	8.5	8.3	6.3
PIAS2	3.2	3.3	2.4	3.4	3.2	3.0	2.8	3.7	3.7	2.9	4.6	3.2	3.1	4.4	3.1	4.0	5.6	3.9	3.9	4.0	3.4
PIAS3	4.2	5.1	4.3	5.8	6.3	6.5	4.8	5.1	7.2	5.1	6.5	5.9	6.1	7.6	11.3	5.5	5.4	5.1	5.5	7.4	6.8
PIAS4	2.2	3.1	3.0	3.7	3.6	3.0	2.3	3.1	3.4	3.0	2.5	2.7	3.5	3.1	3.4	2.4	3.1	3.5	3.3	3.6	3.2
PIBF1	2.5	2.7	2.6	2.7	3.0	2.8	2.2	2.7	3.9	3.2	3.4	2.5	3.8	4.1	3.7	2.8	2.9	3.1	3.0	4.1	3.1
PICALM	19.7	18.8	23.2	19.6	21.7	15.4	14.0	19.8	21.6	21.5	16.6	17.1	20.3	28.3	29.3	19.3	25.9	22.3	18.2	25.5	24.7
PICK1	6.1	6.2	4.8	5.1	7.4	6.3	6.1	5.2	6.1	5.1	6.2	5.4	4.5	5.6	6.4	6.8	5.0	4.4	5.2	5.9	5.4
PID1	2.6	4.4	3.5	3.9	7.6	5.3	6.0	5.3	3.2	2.2	2.5	1.1	5.7	3.1	8.3	4.5	2.6	2.9	3.8	4.8	4.8
PIGC	3.5	4.0	3.7	4.1	3.8	4.0	4.6	4.3	3.8	4.1	3.4	3.3	4.7	6.0	5.8	3.7	4.1	3.6	3.8	4.1	4.2
PIGF	0.8	2.0	2.6	1.9	1.8	2.3	2.2	2.4	4.5	2.3	3.5	2.6	4.2	3.3	4.0	2.3	3.4	2.7	3.6	4.5	3.5
PIGG	2.0	2.5	1.9	2.2	2.6	2.1	1.8	2.0	3.1	1.8	2.5	2.1	2.3	2.6	3.2	2.0	1.7	2.2	2.1	4.1	2.6
PIGH	3.8	3.6	3.6	4.8	4.5	3.7	3.9	3.3	4.1	3.5	5.0	4.2	4.0	4.2	5.6	4.1	2.1	2.1	4.4	4.8	5.3
PIGK	4.4	3.9	3.5	3.9	4.0	3.6	3.8	4.8	4.8	4.2	4.2	4.1	4.3	4.8	4.8	4.1	5.0	5.0	4.7	6.1	4.3
PIGN	3.1	3.0	2.7	2.8	3.3	3.0	2.5	3.0	3.8	2.7	3.2	2.5	2.4	2.4	1.6	3.1	2.4	3.2	3.0	3.8	2.9
PIGO	2.1	2.7	1.8	2.4	3.2	2.7	1.9	2.4	4.3	2.4	3.1	2.8	2.4	2.3	3.6	2.4	2.8	2.5	2.7	2.6	3.1
PIGP	13.6	8.6	10.3	12.6	11.1	8.9	9.6	10.4	12.0	10.2	10.2	11.4	13.6	11.7	12.9	10.7	11.9	9.8	9.9	8.9	10.5
PIGQ	3.9	3.4	2.7	4.0	5.0	4.0	3.2	2.8	5.5	4.9	4.7	5.5	4.1	5.9	6.3	3.6	4.4	4.1	4.7	5.0	5.4
PIGS	10.2	10.8	8.3	12.4	11.8	11.2	8.8	10.0	11.8	8.5	10.0	9.3	10.3	13.6	10.1	10.6	8.8	10.0	9.4	8.6	11.9
PIGT	41.3	34.8	33.5	38.4	66.9	38.1	35.6	46.6	58.3	59.9	53.1	56.0	45.9	52.8	51.9	53.9	71.8	43.9	49.6	38.2	61.6
PIGU	5.1	4.5	4.1	5.3	4.3	5.3	3.9	5.3	5.2	4.9	4.9	5.1	6.6	5.6	3.9	4.6	4.4	5.4	4.9	6.1	6.4
PIGY	17.5	17.2	14.4	17.5	16.7	13.1	16.2	17.3	18.0	16.8	21.8	18.8	19.3	20.3	21.4	14.3	18.4	18.8	15.4	21.7	19.1
PIH1D1	5.3	8.5	5.1	9.5	9.2	9.2	7.2	6.8	10.7	6.0	3.5	9.2	9.3	8.9	12.5	8.5	9.4	7.9	10.7	10.7	8.9
PIK3C2A	3.7	3.4	3.9	3.4	4.4	3.1	3.0	4.1	4.6	2.8	3.4	2.3	2.8	3.7	2.9	2.7	3.6	3.7	3.9	5.0	3.5
PIK3C2B	3.6	2.7	1.7	2.2	2.6	3.0	2.2	3.0	5.6	2.9	3.3	3.6	3.0	2.9	4.2	3.1	2.8	3.9	3.9	4.7	4.6
PIK3C3	3.7	3.9	2.9	3.7	5.0	4.1	4.3	4.4	5.2	3.3	5.0	3.4	4.8	4.6	3.7	4.3	3.9	4.9	4.2	5.5	4.8
PIK3CA	3.7	2.7	3.0	2.5	3.8	2.3	2.3	3.1	4.8	3.3	3.4	2.1	2.8	4.3	1.7	3.1	3.5	3.5	4.2	5.0	3.1
PIK3CB	5.3	6.3	6.2	6.4	5.6	5.0	6.2	6.5	5.5	4.7	4.6	3.9	4.3	7.1	2.3	4.9	5.5	5.7	5.5	5.4	3.6
PIK3IP1	3.2	4.6	2.5	1.7	15.0	6.4	7.8	3.1	8.8	5.3	10.9	15.4	15.5	9.3	15.8	12.7	10.0	12.0	7.6	15.4	7.1
PIK3R1	22.1	38.3	31.4	14.4	27.8	30.0	27.3	34.6	26.0	13.3	25.2	12.8	24.8	34.2	20.2	23.3	25.5	29.4	23.9	21.9	27.3
PIK3R2	2.6	3.6	2.6	4.4	2.4	3.2	3.1	3.6	3.3	3.0	3.9	2.9	4.4	4.0	4.3	3.7	3.3	3.1	4.3	3.2	3.9
PIK3R3	14.2	9.2	8.4	17.0	9.2	8.7	9.2	8.8	16.3	9.3	6.6	7.8	10.1	14.0	6.9	20.4	13.2	11.4	12.7	9.5	10.1
PIK3R4	2.3	3.1	2.7	2.8	3.8	2.9	2.7	2.7	3.5	2.2	2.6	2.2	2.7	3.7	2.9	2.7	3.0	2.9	2.8	4.1	2.7
PIKFYVE	2.5	1.7	1.8	3.2	1.8	1.5	1.6	1.9	3.4	1.8	2.0	1.7	1.6	2.8	1.2	1.4	2.1	2.4	2.2	3.1	1.9
PILRB	8.2	8.6	6.2	6.0	7.8	7.4	5.4	5.0	7.2	10.2	9.4	11.5	10.5	8.3	15.6	9.1	6.1	8.5	8.0	9.4	8.4
PIM1	3.2	2.1	3.8	6.4	4.7	6.5	5.2	1.9	2.8	8.7	4.5	1.9	4.5	4.4	6.9	5.2	5.4	3.3	3.1	3.5	4.2
PIM3	8.2	15.0	12.6	14.5	11.1	17.8	9.5	8.5	10.5	10.0	10.5	12.0	9.0	9.9	10.9	9.8	7.1	6.5	7.6	8.4	11.9
PIN1	23.2	21.2	22.3	22.2	25.6	25.8	24.2	21.2	24.1	22.9	30.4	32.9	30.7	32.7	23.8	25.5	25.7	27.3	28.2	23.6	27.1
PIN4	7.5	5.9	4.8	6.3	4.9	4.7	5.9	4.7	6.1	6.3	6.3	6.5	4.9	7.0	7.7	6.5	7.0	6.9	6.8	6.2	5.4
PINK1	71.3	81.8	76.4	74.9	81.7	80.0	72.3	94.4	65.9	69.2	79.4	80.2	93.9	85.1	63.6	82.4	77.5	72.7	69.7	59.2	66.7
PIP4K2A	1.2	2.5	2.2	2.3	3.9	3.2	2.4	3.2	4.0	2.5	2.3	2.7	4.0	5.4	7.4	3.6	4.3	2.9	2.7	5.3	4.0
PIP4K2B	10.7	9.9	7.5	8.8	8.5	8.6	7.7	10.5	12.8	10.3	10.9	9.9	10.0	13.6	12.5	10.2	8.9	12.1	9.0	12.7	10.7
PIP4K2C	4.8	4.4	3.5	4.8	4.7	5.1	3.5	3.5	5.6	3.7	4.6	5.6	4.0	5.3	6.8	5.0	3.5	4.8	4.8	6.0	4.8
PIP5K1A	7.9	9.1	9.3	8.8	7.4	7.9	6.9	9.1	9.6	9.4	9.5	9.3	8.5	9.1	9.5	9.1	10.0	8.0	9.0	11.8	9.1
PIP5K1B	17.5	18.8	10.2	14.6	21.1	15.8	18.8	19.1	11.9	11.9	18.0	12.7	9.3	10.8	7.3	13.7	9.8	14.0	12.3	13.2	10.0
PIP5K1C	8.1	7.2	9.3	8.1	9.4	8.7	6.6	8.4	10.3	9.6	7.3	7.3	8.4	9.8	12.7	13.5	9.8	9.1	9.4	9.1	10.3
PIR	2.9	2.2	2.1	3.3	3.6	2.8	2.6	2.5	3.4	1.4	2.3	1.9	3.6	4.7	5.1	1.8	4.1	3.5	3.0	3.8	3.0
PISD	3.5	3.8	4.8	3.6	3.9	4.3	3.6	3.0	4.8	3.7	4.5	3.4	3.9	5.1	5.4	3.5	3.7	3.4	3.8	4.8	4.5
PITHD1	10.6	12.5	10.1	11.5	12.1	9.8	10.4	11.0	12.0	8.7	10.8	10.4	10.5	11.5	14.4	11.7	9.9	9.0	8.6	12.0	14.2
PITPNA	11.3	11.0	10.5	12.9	11.7	9.3	9.2	11.2	14.3	11.7	10.6	10.8	12.6	14.5	15.2	11.6	12.8	11.0	12.4	12.3	12.0
PITPNB	8.3	8.0	7.0	12.3	10.4	8.7	8.4	9.8	13.0	10.2	10.1	9.4	12.8	13.3	12.9	12.4	11.7	11.2	9.4	10.5	13.1
PITPNC1	3.2	2.4	4.6	5.0	3.0	3.1	3.3	2.1	2.8	3.2	1.9	2.2	2.3	1.9	3.8	3.3	3.0	2.5	3.0	3.4	2.9
PITPNM1	4.6	6.5	7.9	10.0	5.4	4.8	5.5	5.9	7.3	7.4	5.3	7.5	6.9	9.5	5.5	6.6	7.2	5.7	6.4	5.5	6.0
PITPNM2	4.2	4.2	2.5	5.7	4.8	3.8	4.0	4.2	4.1	3.6	3.4	3.5	3.9	3.4	3.4	3.7	2.9	3.8	4.0	3.1	2.6
PITRM1	21.6	23.7	23.2	22.6	24.8	22.9	15.9	24.2	23.8	24.7	26.4	21.2	26.3	25.7	22.2	22.6	25.8	29.8	20.0	21.7	15.5
PJA1	4.6	4.3	2.8	3.6	4.3	4.3	3.1	4.1	5.0	4.1	5.1	4.2	4.7	7.4	7.3	3.9	4.6	5.4	3.9	6.6	7.5
PJA2	22.4	20.7	21.1	18.6	20.7	19.7	15.9	23.3	24.9	23.4	22.6	18.3	20.5	26.2	16.7	19.4	27.3	24.7	20.3	28.7	20.0
PKD1	10.1	11.3	9.5	9.1	16.8	11.1	7.6	12.1	15.9	14.8	14.6	13.2	14.2	19.8	18.6	15.4	16.0	14.0	15.0	16.1	17.6
PKD1P1	14.9	17.8	12.0	12.9	23.1	16.6	12.7	19.0	21.1	15.7	18.7	15.5	19.5	24.0	39.6	14.2	17.0	16.2	17.4	26.8	21.9
PKD2	4.1	4.6	4.7	3.8	6.2	5.1	3.5	4.6	6.7	6.7	5.8	4.5	5.4	9.5	9.7	5.3	7.5	7.0	5.5	12.8	7.0
PKDCC	10.9	12.1	9.9	13.0	12.6	13.6	4.1	12.2	11.1	12.3	9.1	6.5	12.0	12.2	13.5	6.8	5.7	5.9	10.3	15.3	18.8
PKIA	24.1	33.6	25.2	46.3	22.5	25.7	27.3	30.0	29.6	23.0	32.4	23.6	21.7	23.3	16.2	23.0	20.9	30.5	23.9	21.7	22.9
PKIG	52.0	64.5	62.1	59.6	67.0	56.2	50.3	60.5	65.6	53.5	66.3	58.4	72.5	95.5	82.6	64.2	69.5	72.1	53.9	79.8	58.7
PKM2	257.1	230.5	217.1	234.2	271.4	221.6	208.5	312.6	277.6	243.2	258.6	282.6	210.4	284.2	235.5	244.4	231.4	231.0	252.1	244.8	250.3
PKN1	23.5	23.8	21.1	25.9	27.8	24.3	23.8	24.4	25.3	27.5	23.2	24.4	29.6	37.8	30.9	24.3	31.5	22.9	26.0	20.4	26.4
PKN2	5.6	4.6	4.1	4.0	4.5	3.7	3.7	4.7	5.5	3.7	4.2	3.5	3.8	4.9	3.4	3.9	4.8	5.1	4.9	5.9	4.2
PKN3	3.4	3.1	3.1	2.8	4.8	3.7	3.5	2.5	3.9	3.7	1.9	2.7	2.5	2.3	4.4	3.3	3.0	2.3	3.6	3.2	3.6
PKP2	80.1	135.8	90.5	79.0	99.4	87.8	95.9	90.4	81.8	65.6	79.8	68.3	69.2	96.3	53.2	72.4	83.4	84.6	67.1	65.9	72.7
PKP4	8.8	13.2	11.1	13.1	6.9	9.6	9.4	8.9	9.4	8.7	12.1	7.6	8.6	8.1	10.3	6.7	11.2	7.8	10.4	11.6	10.9
PL-5283	9.5	10.7	9.8	11.4	10.4	8.4	7.6	8.8	9.2	8.6	10.4	7.3	10.6	10.2	10.9	8.8	7.5	11.2	8.1	7.7	10.4
PLA2G12A	4.9	3.4	4.1	6.8	4.0	3.6	4.1	6.2	4.2	3.4	4.0	3.4	3.2	3.4	2.2	3.7	3.2	4.0	4.3	4.9	4.0
PLA2G15	6.7	12.4	8.9	6.8	13.2	10.0	6.0	6.5	8.6	8.5	10.6	10.1	8.3	12.5	12.4	7.8	8.2	7.9	7.3	8.4	7.7
PLA2G16	30.6	28.8	28.5	66.4	37.7	28.1	28.1	26.0	33.7	28.3	39.2	31.4	28.3	30.9	32.5	28.1	37.1	27.2	26.6	28.0	48.2
PLA2G2A	23.0	26.0	10.8	352.8	16.3	18.1	51.8	138.0	49.3	21.5	11.5	4.6	21.4	33.2	41.9	9.3	23.6	21.6	28.5	10.4	233.6
PLA2G4C	12.3	10.5	8.6	9.1	7.0	6.9	10.1	8.8	11.7	7.1	10.1	8.0	10.7	8.5	10.8	6.9	4.4	9.4	7.0	8.8	6.5
PLA2G5	10.5	16.8	18.0	15.6	16.8	21.1	10.1	17.8	16.3	10.0	13.1	13.9	12.4	17.0	20.0	17.0	10.0	12.9	12.6	14.1	15.9
PLA2G6	1.7	2.7	2.3	1.7	3.1	3.8	1.8	2.0	2.4	2.8	3.4	3.9	2.9	2.9	4.5	2.9	2.9	2.7	3.4	4.7	3.7
PLAA	6.0	6.2	7.0	6.5	5.5	5.3	5.8	5.9	7.1	5.4	6.8	5.5	7.0	6.5	4.1	6.3	5.8	7.2	5.2	6.2	5.7
PLAC9	7.4	7.0	8.1	8.4	15.4	10.1	9.2	10.9	17.1	7.8	15.2	9.1	13.5	14.4	43.3	3.9	6.6	9.4	12.6	33.4	30.7
PLAGL1	4.3	4.3	2.6	3.1	5.7	4.7	3.6	3.7	6.1	5.3	6.3	6.0	9.4	6.4	9.4	4.3	5.7	6.2	6.6	9.8	9.4
PLAGL2	1.7	2.2	2.2	1.6	3.0	2.7	2.2	2.9	3.3	3.1	2.3	2.2	2.9	3.1	2.4	3.1	2.6	3.6	2.8	2.6	3.2
PLAT	1.8	3.4	3.2	1.5	2.1	3.0	3.9	2.3	9.0	4.8	4.6	2.1	7.4	6.6	22.5	3.1	7.2	1.3	3.1	5.6	6.5
PLAU	7.8	2.7	1.6	2.7	2.6	2.5	1.8	2.2	5.9	5.6	3.4	3.3	6.7	2.3	5.4	4.1	5.6	4.1	5.4	6.2	4.0
PLAUR	1.4	0.5	0.6	0.8	1.2	1.4	3.0	0.8	1.6	1.5	0.8	0.7	2.3	0.6	2.2	4.0	1.8	1.3	1.4	2.3	1.9
PLBD1	12.8	9.1	8.4	9.0	14.3	9.1	7.8	11.3	15.8	13.4	15.9	12.5	17.5	15.1	22.4	11.9	14.9	15.5	12.5	17.7	17.5
PLBD2	5.4	6.7	6.0	7.9	9.2	5.6	5.9	8.2	8.3	5.0	6.6	6.2	7.9	7.6	14.2	8.6	6.8	5.4	6.9	8.5	6.8
PLCB4	7.4	5.4	4.3	2.9	6.4	8.0	5.2	4.7	6.1	4.5	6.0	4.7	5.0	4.8	4.5	5.8	4.4	6.4	4.6	9.5	4.0
PLCD1	1.9	2.3	1.6	2.1	2.4	3.1	1.9	2.9	3.9	2.2	3.2	2.5	3.0	3.1	5.2	2.9	2.6	2.4	1.8	3.9	3.1
PLCD3	8.0	13.4	12.6	14.2	14.7	11.0	9.5	8.8	7.6	5.5	9.6	5.7	8.0	8.3	8.2	8.0	7.8	6.0	6.5	5.9	6.5
PLCE1	2.3	2.8	2.5	3.3	2.7	2.8	2.3	3.3	6.2	4.9	3.8	4.5	5.1	8.3	5.7	3.5	7.4	5.8	5.8	7.5	4.8
PLCG1	9.7	10.6	7.9	8.7	11.1	11.9	7.8	11.0	16.6	11.8	11.3	12.4	12.7	11.6	18.8	13.2	10.6	13.2	14.6	14.1	13.6
PLCL1	17.5	20.3	14.4	17.9	12.6	12.9	16.3	15.0	12.9	11.2	15.4	7.1	10.4	15.2	4.8	12.6	11.7	14.1	10.9	11.7	11.4
PLCL2	11.6	9.5	7.5	18.8	13.8	9.6	14.2	12.7	13.0	9.8	11.5	8.5	10.4	9.9	4.6	11.2	7.1	9.3	10.4	7.3	8.6
PLCXD3	14.9	19.0	10.8	13.6	11.8	14.3	17.5	17.5	15.7	8.8	11.7	5.2	9.9	14.7	5.2	9.8	14.3	11.1	11.1	13.1	10.7
PLD1	7.7	9.2	6.6	6.2	6.4	7.1	5.7	5.3	7.1	5.3	7.0	4.3	6.4	7.3	3.3	6.2	5.4	7.4	6.1	8.0	6.2
PLD2	1.8	2.3	2.4	2.9	2.5	2.8	2.9	2.3	3.2	1.8	1.7	2.1	2.5	2.0	6.2	2.2	1.7	2.1	2.2	4.5	3.0
PLD3	28.9	23.9	24.0	22.7	40.1	31.9	25.3	33.8	39.5	28.7	33.0	30.9	41.6	40.8	58.7	36.1	41.9	25.6	37.6	35.3	42.4
PLDN	3.4	3.3	3.2	2.6	3.5	2.0	2.5	3.3	4.7	3.2	3.6	3.5	2.9	3.1	3.3	3.5	3.6	4.1	3.3	5.3	3.6
PLEC	23.2	29.3	25.5	24.5	34.5	28.9	22.8	28.6	32.2	28.0	27.7	30.0	24.3	30.9	33.1	28.8	27.6	25.2	24.6	26.3	24.5
PLEK	1.8	1.3	0.9	1.3	2.9	1.2	1.9	2.3	1.9	1.0	0.7	0.2	3.0	0.4	2.1	2.0	1.8	0.9	1.2	2.0	2.1
PLEKHA1	12.2	7.4	8.9	7.6	9.5	6.5	7.3	9.1	9.4	8.4	6.9	6.2	9.6	10.6	5.7	8.6	6.8	8.7	7.1	8.5	9.2
PLEKHA2	4.3	6.4	5.5	4.8	4.0	3.9	4.1	7.9	7.9	5.7	9.6	8.3	5.3	7.0	5.9	6.5	5.5	7.3	6.4	7.6	6.2
PLEKHA3	5.8	6.3	5.5	6.2	7.4	4.7	5.0	6.7	8.1	7.9	6.8	8.2	7.9	8.1	7.7	7.6	8.3	7.4	7.7	6.6	7.4
PLEKHA4	3.5	4.2	3.1	6.4	7.7	3.8	5.1	5.1	8.0	4.4	4.3	4.8	8.8	7.8	9.6	3.9	11.3	5.1	4.2	6.8	4.4
PLEKHA5	13.5	13.7	11.8	13.0	16.8	16.1	11.8	13.8	17.1	12.2	14.0	14.4	13.4	16.2	11.5	12.8	15.3	18.1	13.3	21.7	10.7
PLEKHA6	4.0	4.7	1.8	2.4	3.5	5.8	3.0	4.1	5.8	3.1	4.6	5.4	4.0	6.4	10.1	4.5	3.9	4.5	4.4	12.6	3.7
PLEKHA7	6.3	5.7	1.7	11.0	5.8	4.2	4.0	6.0	9.1	3.5	4.1	4.3	3.4	5.3	4.6	3.5	5.2	3.6	3.8	8.2	4.7

PGAM2	174.4	161.0	156.4	181.1	113.4	218.9	214.3	142.8	225.5	246.8	208.1	70.7	126.7	245.2	180.0	191.4	128.6	141.4	213.3
PGAM5	4.0	3.5	4.0	3.2	3.0	3.7	3.9	2.8	3.0	2.7	3.4	3.4	4.6	2.5	4.5	3.5	4.6	3.8	3.5
PGAP2	3.8	4.3	4.4	4.7	3.7	5.7	5.6	2.5	5.7	4.9	3.5	4.6	5.7	4.6	7.8	4.1	7.0	6.0	3.4
PGAP3	3.2	4.4	4.5	4.4	3.1	4.2	4.3	3.6	4.5	3.0	3.0	4.6	3.5	3.2	3.1	4.4	3.2	4.2	2.9
PGBD5	2.6	2.7	2.1	1.2	1.4	1.5	2.4	2.4	2.6	1.8	3.1	0.8	2.6	2.1	1.8	3.3	1.3	1.2	1.8
PGCP	12.6	9.5	10.4	9.5	14.4	10.5	9.0	12.1	12.6	6.2	14.0	20.3	19.8	7.5	9.1	12.9	10.0	13.5	12.8
PGD	8.1	8.5	8.4	6.5	8.3	9.8	11.6	7.7	10.7	7.0	8.5	15.5	8.3	8.5	8.8	9.8	8.3	10.9	8.6
PGF	2.2	1.0	1.2	2.5	2.0	1.3	2.7	3.0	2.4	2.2	3.5	5.1	3.8	2.7	2.4	4.3	2.2	2.1	1.3
PGGT1B	2.7	1.8	2.3	2.1	2.3	3.1	3.5	1.6	2.9	2.1	2.6	2.9	3.1	2.3	2.8	3.0	2.4	2.8	2.8
PGK1	114.5	101.0	116.7	66.3	86.6	109.9	113.9	73.7	115.3	83.7	113.1	77.7	113.2	97.9	100.9	114.2	95.8	94.5	103.3
PGLS	6.6	6.0	5.8	7.4	8.2	5.2	7.2	7.4	8.4	5.4	8.3	16.1	8.3	5.7	6.4	8.6	8.1	6.0	5.6
PGM1	66.2	60.6	62.9	41.9	51.2	88.4	78.8	45.9	71.0	54.3	65.2	36.0	65.7	64.5	59.2	80.2	69.6	62.8	77.9
PGM2	1.5	1.8	1.9	1.8	2.9	1.6	2.3	2.0	2.1	1.6	2.3	4.0	2.9	2.7	2.2	2.1	1.9	2.5	2.2
PGM3	1.9	2.2	2.0	1.4	2.5	2.7	2.1	1.7	1.9	1.6	1.8	3.4	3.1	1.3	2.5	3.2	2.6	1.7	2.9
PGM5	41.3	40.1	48.4	30.2	32.8	42.1	42.9	33.2	37.0	39.3	24.8	28.1	43.4	34.3	37.1	34.2	58.6	41.8	41.0
PGM5P2	1.7	2.9	3.9	1.2	1.5	2.4	2.2	1.1	0.8	1.8	0.9	1.4	1.8	1.6	1.3	1.5	2.5	3.4	3.1
PGP	7.2	7.2	7.6	6.3	5.1	7.6	6.5	7.3	8.0	7.4	6.9	4.5	6.8	7.7	7.0	7.4	6.6	7.1	6.5
PGPEP1	2.0	1.8	2.0	2.0	2.0	2.2	2.8	2.1	2.0	2.2	2.5	2.7	3.4	2.0	2.3	2.3	1.8	2.1	2.3
PGRMC1	7.6	7.9	6.7	4.9	10.5	7.2	8.5	7.5	9.3	8.9	9.2	12.4	10.2	8.5	7.6	9.3	8.2	10.0	8.2
PGRMC2	8.1	11.3	8.4	5.4	9.6	9.0	8.8	6.9	9.2	7.0	8.5	11.7	9.3	8.0	6.8	7.8	7.9	11.2	10.4
PGS1	4.3	4.4	4.4	4.0	3.7	5.3	5.1	3.1	3.0	4.5	4.7	7.5	4.4	4.2	4.0	4.3	3.8	5.7	4.6
PHACTR1	11.2	17.7	8.7	4.0	7.0	24.5	9.1	1.8	3.8	5.4	6.5	6.6	6.8	11.6	7.3	10.3	5.4	10.4	13.8
PHACTR2	2.9	3.8	3.0	1.8	2.2	1.7	2.1	1.7	1.6	2.6	2.5	2.4	2.7	2.1	2.6	3.7	2.3	2.6	3.8
PHACTR4	2.7	2.5	2.8	2.2	2.4	3.2	2.8	2.2	1.8	3.5	3.2	3.9	3.8	2.8	3.1	4.0	2.7	2.8	3.1
PHAX	3.6	4.3	3.4	2.6	3.1	3.2	3.8	2.7	3.0	3.0	3.6	3.9	4.3	3.0	3.7	4.7	3.1	4.4	3.5
PHB	41.5	41.7	43.6	35.7	32.8	43.8	44.9	31.3	47.8	40.6	43.7	31.4	43.5	42.9	42.0	40.3	39.6	39.7	42.8
PHB2	50.7	49.9	50.4	40.0	41.5	51.0	55.1	34.9	54.0	41.4	48.1	49.6	43.7	50.0	44.7	49.3	42.2	44.7	48.4
PHC1	6.6	7.0	6.4	4.3	7.8	7.0	8.3	5.9	4.3	7.7	6.8	9.6	8.0	6.5	7.3	8.4	7.1	8.3	7.3
PHC2	20.3	20.5	22.0	25.1	34.7	31.0	26.7	21.2	35.1	21.9	25.7	55.2	32.8	29.9	26.2	27.1	29.5	36.4	19.6
PHC3	1.9	2.0	2.0	2.0	2.5	2.0	1.7	1.4	1.2	1.9	1.6	3.1	2.5	2.0	2.5	3.0	1.6	2.1	2.7
PHF1	12.8	12.9	15.5	16.6	18.3	14.7	13.7	13.2	18.3	13.7	15.8	25.6	19.0	16.1	11.9	17.9	14.2	13.6	11.2
PHF10	11.8	13.1	12.0	9.6	16.1	9.7	14.0	6.0	7.8	10.2	10.2	18.3	16.2	13.6	14.0	18.4	12.5	12.2	15.9
PHF11	5.5	5.3	5.5	5.9	5.4	4.5	4.6	5.5	6.1	5.7	6.2	8.3	4.9	5.7	5.2	5.1	4.0	6.2	6.7
PHF12	5.0	5.8	4.7	3.7	4.8	6.2	5.2	3.4	3.9	4.2	4.3	7.8	6.3	5.0	4.8	5.3	6.0	6.3	5.8
PHF13	1.6	1.5	1.9	2.2	2.7	2.0	1.7	1.6	2.2	1.1	1.6	4.3	4.2	2.2	1.9	2.3	2.3	2.7	1.7
PHF14	3.4	3.3	3.6	2.3	3.9	2.9	3.4	2.0	2.4	2.5	2.5	5.3	4.3	3.4	3.2	3.6	2.8	4.2	3.9
PHF15	3.8	3.4	4.6	2.3	3.3	4.6	3.6	2.8	2.8	2.8	3.2	6.5	4.2	3.4	3.5	3.8	3.9	3.9	3.6
PHF17	3.7	5.3	4.8	9.1	9.7	6.7	6.5	5.8	7.5	5.9	6.2	20.7	11.2	8.3	7.7	10.3	6.8	10.6	5.1
PHF19	2.7	2.4	2.5	2.4	3.4	2.6	2.8	2.9	2.4	2.6	3.1	4.5	5.0	2.1	3.1	3.3	3.0	2.3	2.3
PHF2	6.3	6.4	6.8	6.0	7.9	9.9	8.0	4.6	4.8	6.5	6.3	9.8	9.7	8.0	7.2	9.1	6.8	9.1	8.1
PHF20	3.8	3.6	4.0	3.1	4.3	3.4	3.1	2.4	2.7	3.1	2.7	5.4	5.8	4.3	3.6	4.8	3.5	3.9	3.7
PHF20L1	6.1	6.8	5.8	4.7	6.8	8.0	7.0	3.7	5.5	6.4	9.0	9.1	9.9	7.9	10.5	11.5	9.2	8.1	7.1
PHF21A	4.3	4.0	4.2	3.1	4.8	4.1	4.1	3.8	3.4	3.4	3.7	4.8	4.4	3.2	3.2	4.1	3.4	5.1	4.5
PHF23	4.4	5.3	4.6	4.2	3.8	4.5	4.1	3.7	4.1	2.6	3.8	5.8	6.1	3.9	3.9	4.1	5.3	5.9	4.0
PHF3	5.3	6.4	4.7	4.2	5.8	6.6	5.8	2.2	3.9	4.3	4.3	9.5	6.3	4.6	6.7	6.3	4.2	6.7	8.5
PHF5A	6.1	7.0	6.1	6.4	6.2	5.9	6.5	5.0	6.9	5.2	7.2	11.8	6.7	8.5	6.8	7.6	6.4	8.3	6.9
PHF6	2.1	2.1	2.0	1.5	2.2	2.2	1.8	1.3	1.6	1.8	1.6	2.9	3.1	2.1	2.7	3.1	1.8	2.5	2.9
PHF8	2.9	3.1	3.0	3.1	3.6	4.8	3.0	2.7	2.5	3.0	3.3	6.6	4.9	3.1	3.4	4.6	3.5	4.1	3.7
PHGDH	1.8	1.4	1.2	1.3	2.0	1.1	1.6	2.4	1.4	1.8	1.6	2.5	1.0	1.6	0.8	1.4	0.7	1.3	2.2
PHKA1	5.2	3.5	4.2	2.3	2.5	3.8	5.6	1.4	2.5	2.5	3.1	3.5	3.4	3.0	3.4	4.2	3.3	3.4	4.2
PHKA2	5.6	6.3	6.6	6.4	4.7	7.3	6.8	3.6	4.7	4.5	4.9	6.2	7.4	7.3	6.3	8.0	5.9	7.8	6.9
PHKB	13.5	11.5	11.9	8.6	10.0	11.4	13.3	7.0	10.2	9.8	11.4	9.1	12.3	11.6	12.1	14.9	10.3	10.8	15.1
PHKG1	9.6	9.1	8.4	5.6	5.0	12.2	7.5	3.9	5.0	2.9	5.3	3.0	5.0	11.8	3.6	4.5	0.9	5.4	10.8
PHLDA1	5.0	3.2	11.8	7.6	13.4	1.7	5.1	5.0	7.8	3.6	6.3	15.6	11.5	2.9	3.6	6.9	3.4	3.4	2.4
PHLDA3	7.0	7.3	8.5	4.0	7.5	6.1	6.0	9.3	6.4	11.0	10.6	11.3	11.8	5.4	7.3	9.1	12.2	7.7	5.4
PHLDB1	20.1	20.0	16.6	21.9	28.3	24.5	25.2	23.1	21.0	23.3	26.5	37.0	33.2	20.9	23.5	31.8	28.6	24.6	18.0
PHLDB2	25.7	27.5	18.8	12.4	18.4	19.8	24.6	8.4	14.2	20.1	19.3	12.2	18.2	25.2	16.7	24.9	11.6	14.7	29.9
PHPT1	34.0	38.9	40.1	35.7	36.1	42.3	51.5	36.7	50.6	50.0	41.5	29.3	47.8	42.9	35.9	46.0	33.3	33.6	38.8
PHRF1	4.8	5.3	5.0	4.2	5.2	6.4	5.6	4.3	4.9	4.5	5.3	8.1	6.0	4.5	5.2	5.0	4.7	6.0	4.9
PHTF2	4.2	5.2	3.5	3.2	3.3	5.5	4.3	2.1	3.1	4.3	4.0	4.2	4.3	5.3	5.9	5.2	6.3	7.5	4.6
PHYH	55.0	58.2	60.7	36.2	36.6	68.1	59.3	31.4	55.0	41.7	42.3	31.1	43.8	51.6	49.2	40.2	39.4	49.3	57.8
PHYHD1	5.9	6.8	3.1	5.6	5.1	8.0	4.3	2.5	6.0	6.5	7.0	6.4	5.1	8.0	8.4	7.8	9.3	11.5	2.0
PI16	17.4	11.2	22.9	26.1	32.0	8.8	5.6	21.8	20.5	4.8	22.3	11.5	40.8	8.0	22.9	39.8	22.2	9.1	18.7
PI4K2A	4.3	5.6	4.8	5.0	5.1	6.5	5.5	4.8	4.7	4.5	5.8	8.8	8.6	5.1	8.4	7.6	9.5	8.4	4.9
PI4KA	8.0	7.8	9.2	6.9	8.6	5.0	9.0	8.0	10.1	8.0	9.3	14.0	10.7	7.1	7.7	9.6	9.6	10.9	8.9
PI4KAP1	3.6	1.9	1.9	4.0	3.1	8.4	5.7	2.0	7.1	2.6	5.6	6.9	3.7	2.8	5.2	4.5	4.4	2.3	2.4
PI4KAP2	2.9	3.5	2.4	3.4	4.5	4.4	3.8	3.1	3.8	3.5	4.8	9.1	4.8	4.7	5.0	2.1	2.9	5.4	2.3
PI4KB	7.7	8.4	8.2	7.5	7.2	10.1	9.2	7.2	9.0	8.8	9.9	13.2	11.9	9.2	14.2	13.5	13.6	10.6	9.4
PIAS1	7.0	6.4	5.8	6.8	5.9	9.3	6.4	3.2	3.8	5.5	5.7	13.8	13.4	7.2	12.8	15.1	10.6	10.2	7.2
PIAS2	3.9	3.3	3.3	2.4	2.7	2.8	3.6	2.1	1.8	2.8	3.8	4.1	4.3	3.4	4.1	4.2	3.1	3.1	3.8
PIAS3	6.2	5.0	5.3	4.8	6.6	6.4	6.9	7.0	5.9	6.9	7.2	8.8	8.2	6.0	6.5	7.2	6.5	6.8	5.1
PIAS4	2.6	2.9	3.4	2.6	3.1	4.2	4.5	2.3	2.8	2.9	3.5	4.2	3.6	3.0	2.8	3.0	3.2	3.0	3.5
PIBF1	2.8	3.6	3.1	2.7	3.4	2.7	3.0	2.5	3.1	3.1	3.0	4.9	3.0	3.0	3.1	3.8	2.0	3.7	3.6
PICALM	17.9	19.0	17.1	13.7	26.4	23.1	21.1	14.3	17.1	19.9	37.0	51.9	36.1	18.6	27.1	29.1	37.9	27.3	19.3
PICK1	5.7	5.5	5.5	6.6	3.8	5.1	4.8	3.3	7.1	5.1	6.1	7.1	6.5	6.0	6.5	5.4	4.8	7.7	5.8
PID1	2.9	2.4	1.7	2.6	4.6	6.1	4.1	3.7	4.2	0.9	2.4	7.6	5.6	3.7	5.6	7.9	4.0	7.4	4.7
PIGC	4.8	3.7	3.6	3.6	3.9	5.4	3.1	3.9	5.0	3.4	4.8	4.8	4.1	2.9	5.0	5.2	5.6	5.2	4.0
PIGF	2.3	1.9	3.0	2.4	3.2	2.9	3.0	2.8	3.1	3.0	2.2	4.4	3.7	2.5	3.2	3.3	1.4	3.1	2.4
PIGG	2.4	2.4	1.9	2.2	2.1	2.3	2.2	2.4	2.1	2.3	2.6	4.4	3.0	2.9	2.5	2.7	1.7	2.8	2.8
PIGH	3.0	3.6	4.2	2.5	3.8	4.4	2.9	4.1	4.3	3.6	3.6	6.8	2.8	6.1	3.2	3.8	2.1	3.3	3.5
PIGK	4.4	5.0	4.5	3.2	4.0	3.2	3.3	2.7	2.6	2.7	4.1	4.3	5.0	3.2	3.7	4.3	2.8	3.9	4.9
PIGN	3.3	2.4	2.6	2.2	2.4	2.7	2.6	1.5	2.2	2.2	2.7	2.7	3.1	2.6	2.8	3.9	2.3	2.6	3.3
PIGO	2.9	2.6	2.7	2.2	3.0	3.8	2.9	1.9	2.2	2.3	2.5	3.9	2.9	3.1	2.6	2.8	2.4	2.8	3.3
PIGP	10.6	10.0	11.8	8.9	7.1	11.5	13.8	8.5	9.1	10.6	11.9	8.6	10.6	11.2	8.8	10.6	6.4	11.9	10.5
PIGQ	3.7	4.2	4.4	4.1	4.1	4.5	4.9	4.1	5.1	3.7	4.2	5.4	5.3	3.7	3.3	5.5	4.2	4.3	3.8
PIGS	10.9	9.8	8.7	7.7	7.8	11.8	10.4	6.8	10.8	7.3	8.7	9.3	11.1	8.0	8.7	10.7	9.5	10.6	10.3
PIGT	61.9	60.1	55.6	29.3	39.0	49.3	48.1	27.1	40.0	27.1	45.6	34.6	41.4	30.8	33.9	39.4	43.5	37.3	43.5
PIGU	4.7	5.3	5.3	3.9	5.4	5.4	4.8	3.9	5.1	3.4	5.8	3.8	5.5	4.5	4.8	6.2	3.5	4.1	5.6
PIGY	16.3	16.7	15.5	8.6	15.1	18.1	17.9	14.3	16.6	14.6	16.4	16.9	19.4	17.4	14.4	20.4	14.9	18.2	14.9
PIH1D1	7.1	7.0	11.4	9.4	6.3	3.9	7.4	6.7	7.4	6.3	9.3	13.3	7.4	8.9	8.1	8.3	4.3	7.6	10.6
PIK3C2A	2.7	3.3	2.5	2.2	3.3	3.7	3.2	1.5	2.0	3.0	3.4	7.1	5.0	3.1	4.1	5.1	3.0	4.0	3.6
PIK3C2B	3.3	3.0	3.9	1.9	2.3	1.6	2.4	2.6	1.8	3.3	3.4	3.1	2.6	1.7	1.7	3.4	3.5	2.4	4.7
PIK3C3	4.3	4.2	4.5	3.6	3.6	4.6	5.2	3.6	3.7	3.5	5.0	7.0	5.0	3.7	4.8	4.7	4.4	5.3	5.6
PIK3CA	3.0	2.7	2.4	2.9	3.5	3.1	2.9	2.0	2.0	2.5	3.2	8.1	5.9	2.9	6.1	6.2	4.5	4.3	4.4
PIK3CB	5.5	5.6	4.7	3.3	3.7	5.2	4.2	1.9	2.8	3.0	4.0	5.1	5.1	3.8	4.8	5.9	5.2	5.8	5.8
PIK3IP1	10.7	8.9	8.3	7.9	8.4	9.8	8.0	8.0	5.4	3.3	4.2	20.5	9.1	5.9	11.9	6.4	6.2	22.2	9.2
PIK3R1	27.0	27.6	21.5	30.0	32.2	50.5	37.6	18.6	32.6	35.0	28.3	42.2	47.0	41.3	54.0	63.5	40.3	58.3	21.0
PIK3R2	3.3	3.7	4.2	2.1	3.0	3.4	4.9	3.6	2.3	3.2	3.8	2.9	3.8	2.8	2.4	4.3	3.3	3.8	3.5
PIK3R3	4.6	6.7	6.9	6.6	8.8	8.7	9.3	7.8	13.6	9.1	10.3	27.0	17.4	7.0	14.2	16.1	12.1	11.3	6.4
PIK3R4	2.2	2.6	2.3	2.1	2.9	3.2	2.8	1.9	2.6	2.4	2.9	4.1	2.9	2.4	3.1	4.1	2.5	2.7	3.6
PIKFYVE	2.0	2.1	1.9	1.9	1.8	1.4	1.5	1.2	1.2	1.8	1.4	3.1	2.4	1.5	2.3	2.6	1.4	2.0	2.5
PILRB	5.6	7.8	6.1	8.5	10.6	10.5	8.0	9.2	12.5	12.7	9.2	15.2	12.2	7.8	7.1	8.7	5.6	8.9	6.0
PIM1	2.2	2.4	1.1	6.2	28.0	4.2	2.9	2.8	20.9	1.8	3.2	27.2	14.6	8.8	1.8	19.5	4.6	8.0	2.6
PIM3	8.6	8.0	8.3	11.6	14.1	13.2	8.9	9.4	9.5	10.4	10.6	16.6	12.1	11.8	11.4	12.3	10.9	16.9	8.4
PIN1	27.5	26.0	23.7	19.1	19.7	28.0	31.5	19.0	34.0	24.7	25.1	23.8	26.6	25.7	23.7	26.3	24.7	25.9	20.7
PIN4	5.1	7.5	6.0	5.3	5.5	5.8	6.0	3.4	6.7	5.8	7.4	7.1	6.0	8.5	6.0	5.0	4.9	6.3	8.0
PINK1	68.9	67.2	61.3	54.8	52.1	81.3	85.9	63.8	81.3	61.3	74.1	53.6	83.2	65.3	75.2	91.7	71.8	79.8	64.6
PIP4K2A	2.3	2.3	2.2	3.2	4.5	3.9	2.9	4.1	3.4	2.3	3.2	12.7	6.3	2.5	4.7	4.7	4.5	4.7	3.5
PIP4K2B	9.9	10.7	11.0	8.2	10.0	9.9	10.8	9.8	7.8	8.8	9.5	9.9	13.2	9.3	8.5	11.6	9.0	10.2	10.5
PIP4K2C	4.5	4.6	4.8	2.7	4.0	5.6	4.9	3.8	3.4	4.1	4.4	4.8	4.7	3.6	4.2	4.2	3.4	4.0	5.2
PIP5K1A	9.5	10.2	8.7	7.1	9.4	9.8	11.5	6.3	7.4	9.0	9.2	11.3	10.7	8.3	10.2	10.7	8.6	9.9	9.8
PIP5K1B	12.9	13.6	15.0	11.9	11.6	15.0	13.8	5.2	8.2	8.9	8.2	7.8	15.3	15.6	9.9	14.5	5.7	16.2	16.8
PIP5K1C	8.2	7.1	7.1	7.9	12.4	9.7	10.4	7.8	11.1	9.8	9.4	16.2	15.0	10.5	9.9	13.0	12.1	9.2	6.9
PIR	3.4	1.8	2.3	3.1	3.0	1.6	2.9	3.0	4.0	2.4	3.0	4.9	3.4	3.1	1.9	3.8	2.1	2.4	2.9
PISD	3.6	3.3	3.8	2.8	3.7	4.6	3.6	4.1	5.7	4.5	4.5	5.1	3.8	3.0	3.5	4.3	3.9	4.1	3.2
PITHD1	9.9	11.4	10.5	10.0	11.4	12.4	12.3	8.6	13.7	11.0	11.0	12.9	10.7	12.7	12.4	10.9	9.7	14.2	11.8
PITPNA	11.6	13.2	11.5	9.5	11.9	11.3	11.4	9.4	9.7	9.2	12.0	15.2	14.1	11.9	11.3	13.7	12.0	12.8	11.7
PITPNB	10.8	12.0	12.0	13.8	15.8	13.4	10.8	8.2	12.9	9.6	12.2	24.0	19.2	11.6	10.9	14.8	15.3	25.1	10.8
PITPNC1	3.3	2.9	2.0	2.9	3.5	2.0	1.8	1.1	4.3	3.1	2.8	8.6	4.4	2.8	2.9	3.4	3.2	3.4	2.3
PITPNM1	6.2	5.8	6.7	3.9	4.6	5.1	6.8	5.0	4.3	5.9	7.6	6.1	8.1	4.7	6.7	7.2	8.4	7.9	6.0
PITPNM2	3.4	3.5	3.8	2.6	4.6	3.1	5.7	3.6	4.3	4.5	3.7	4.9	5.4	6.3	2.7	5.7	3.3	4.0	5.1
PITRM1	25.9	26.0	27.5	17.5	22.6	26.9	28.0	18.7	19.0	19.0	22.1	18.8	28.3	19.8	24.9	15.5	26.1	26.0	26.4
PJA1	4.4	3.7	5.1	2.8	4.1	3.7	5.5	4.1	4.5	3.3	4.6	5.7	5.0	4.2	3.5	5.9	5.5	1.8	4.3
PJA2	22.7	22.4	21.3	13.1	22.7	21.2	19.2	12.3	14.7	15.5	18.9	29.3	25.3	18.8	19.9	25.2	19.5	19.9	24.8
PKD1	14.0	12.2	12.0	7.9	13.5	12.9	15.3	12.7	7.6	11.3	13.5	15.1	22.6	11.0	13.5	20.7	18.0	13.1	10.5
PKD1P1	16.0	16.4	16.9	12.9	21.1	18.9	20.6	18.3	13.0	20.4	17.0	30.9	26.7	17.9	22.2	26.5	21.5	22.0	16.4
PKD2	5.2	6.1	5.1	4.6	9.5	5.4	5.7	4.8	4.1	4.3	6.3	13.7	11.5	4.2	7.1	7.8	6.8	7.2	6.3
PKDCC	9.5	5.4	11.5	8.7	10.8	5.9	8.3	9.9	12.6	7.3	8.2	7.0	14.4	16.9	7.5	12.3	12.8	7.2	8.1
PKIA	23.8	32.9	27.3	19.1	22.1	25.9	35.0	17.2	22.2	29.4	34.1	11.3	24.8	23.7	28.9	25.4	26.7	34.1	31.2
PKIG	81.5	61.8	60.2	49.5	53.3	62.5	78.5	50.1	92.5	71.3	66.5	49.1	68.7	43.3	77.9	59.7	96.9	64.9	65.1
PKM2	241.3	241.4	273.4	184.3	215.8	227.2	234.4	171.7	267.4	201.3	266.2	149.2	253.2	193.3	216.2	241.2	174.5	196.5	245.8
PKN1	21.0	24.5	24.5	18.4	21.2	26.3	30.3	21.8	27.7	22.2	27.0	31.2	25.6	22.0	22.8	29.9	26.8	24.2	23.1
PKN2	4.2	4.0	4.0	2.8	4.5	3.9	4.6	2.3	3.4	3.8	3.5	5.5	5.4	3.8	5.1	5.6	3.6	4.3	5.9
PKN3	3.0	1.9	2.3	2.7	2.9	3.5	2.4	2.4	4.8	4.2	3.3	6.2	3.3	3.0	3.0	3.3	3.0	3.2	2.2
PKP2	82.2	95.1	88.7	44.0	82.0	100.4	105.4	48.6	58.0	95.9	93.1	48.9	88.3	90.3	84.2	119.0	75.1	111.3	103.3
PKP4	9.2	11.0	10.4	6.0	8.4	8.7	9.8	8.1	7.2	9.3	9.5	10.5	7.4	9.0	8.6	10.1	8.6	9.2	11.8
PL-5283	8.1	8.2	8.7	6.3	7.5	10.3	11.6	7.1	8.7	10.2	9.5	6.2	8.8	10.0	8.1	12.2	9.1	11.6	10.0
PLA2G12A	3.9	3.1	4.1	2.9	3.2	4.0	3.2	1.7	2.5	2.1	2.7	2.8	4.0	3.8	4.0	4.2	2.9	3.1	5.6
PLA2G15	7.4	9.7	9.2	5.3	8.9	7.5	13.0	6.6	9.5	11.2	9.6	6.4	7.6	6.6	7.0	8.8	10.7	8.4	6.3
PLA2G16	30.2	25.5	24.1	25.2	23.2	32.1	24.1	23.4	29.3	30.7	28.5	29.4	27.9	23.7	27.9	24.7	24.1	24.7	25.7
PLA2G2A	9.3	3.5	2.1	13.4	14.2	3.1	6.5	56.6	7.8	1.9	3.4	46.0	2.2	2.6	5.0	2.7	6.7	4.6	3.0
PLA2G4C	9.9	13.2	7.8	7.4	10.1	11.7	10.3	7.6	10.4	13.4	8.9	5.6	10.1	7.5	9.7	8.7	12.9	16.7	8.3
PLA2G5	12.1	12.0	12.4	22.3	14.5	25.6	13.4	13.0	22.9	18.9	20.2	14.8	19.5	17.3	18.4	19.0	16.4	15.3	11.7
PLA2G6	3.2	2.9	3.6	3.2	3.4	4.0	3.8	3.1	3.4	3.2	2.6	6.7	4.1	4.7	2.5	3.6	2.2	5.0	3.4
PLAA	6.1	6.4	6.0	4.3	5.1	6.3	5.6	3.8	4.4	4.7	6.3	4.6	6.3	4.8	7.1	7.0	7.2	5.3	6.6
PLAC9	13.1	8.0	6.1	15.9	14.4	7.9	16.1	17.4	14.7	7.9	8.3	11.2	19.4	14.7	13.6	11.6	10.3	9.9	8.1
PLAGL1	6.0	6.8	5.5	3.7	9.0	5.0	7.4	7.0	5.1	5.2	5.1	12.8	9.7	4.2	5.0	9.6	4.9	4.9	5.1
PLAGL2	2.5	3.1	2.7	2.8	2.9	4.0	4.0	2.3	2.9	2.4	2.9	4.7	5.1	4.0	3.3	5.6	3.2	4.4	2.6
PLAT	3.1	2.0	1.6	3.2	6.6	3.6	5.4	5.2	4.1	5.1	4.8	10.4	2.8	1.9	2.8	3.9	5.8	5.4	2.0
PLAU	4.1	4.2	4.0	1.8	3.1	1.9	2.5	2.8	2.1	2.7	4.2	3.4	3.1	1.6	2.2	1.8	1.8	3.7	3.3
PLAUR	0.7	0.4	0.8	1.1	3.1	0.3	0.9	0.9	2.7	0.4	1.1	4.9	2.0	0.7	1.3	1.0	0.6	2.2	0.6
PLBD1	17.2	14.3	13.6	8.2	15.0	11.8	13.9	10.7	14.7	7.5	11.7	14.5	15.1	8.8	10.4	10.4	12.2	9.8	13.8
PLBD2	7.6	7.4	5.8	5.0	7.8	5.8	6.0	8.1	7.1	6.4	7.4	9.1	7.1	5.5	7.8	7.5	7.7	6.7	6.8
PLCB4	6.8	4.9	6.5	5.5	6.8	5.7	5.3	3.6	4.3	4.9	4.4	6.0	5.9	5.5	5.1	5.7	3.4	4.8	6.5
PLCD1	3.1	1.7	2.6	1.7	2.2	2.4	2.4	2.4	2.7	2.2	2.7	3.8	2.4	2.2	2.0	2.1	2.1	2.3	2.6
PLCD3	9.0	7.5	4.8	4.9	5.7	9.3	7.5	7.2	8.6	6.5	7.3	5.3	9.1	7.5	7.7	10.1	6.6	6.4	7.6
PLCE1	5.7	6.5	4.3	3.4	5.4	3.6	6.3	6.7	5.3	4.1	5.1	5.4	8.1	3.0	5.8	8.7	10.1	6.8	3.7
PLCG1	10.6	12.3	12.0	8.5	15.7	12.6	13.6	10.3	13.4	16.2	14.1	25.9	17.2	13.9	12.7	19.1	13.6	16.0	10.3
PLCL1	14.0	15.4	10.4	8.3	10.4	13.7	13.8	4.9	8.2	11.9	10.2	8.0	16.7	15.3	17.2	21.1	8.9	17.9	16.1
PLCL2	9.4	12.5	9.3	5.6	9.0	10.4	9.5	5.4	10.7	7.2	7.5	7.1	9.0	11.6	7.2	10.6	6.5	13.6	15.1
PLCXD3	9.3	13.7	9.1	12.5	8.3	14.1	9.8	3.8	11.9	10.2	9.3	12.0	17.5	16.1	24.6	21.8	13.6	24.5	15.1
PLD1	8.1	6.2	6.3	5.7	5.0	6.9	6.7	3.0	4.4	4.3	3.0	5.5	7.0	8.1	6.3	9.5	4.8	7.3	8.8
PLD2	1.8	2.0	1.9	2.9	2.8	2.9	3.9	3.0	3.7	3.5	3.9	4.6	2.9	2.6	2.6	3.3	2.3	3.3	2.1
PLD3	37.4	32.2	30.5	31.0	31.8	34.5	30.5	28.6	41.0	27.9	32.6	49.9	35.9	30.4	27.4	35.3	31.3	30.8	29.0
PLDN	2.8	3.5	3.3	2.1	3.1	3.5	2.7	1.9	1.7	3.0	3.8	5.6	4.6	3.1	3.6	3.6	3.3	3.8	3.6
PLEC	29.0	24.2	24.2	17.5	27.2	34.8	29.9	23.5	18.8	30.5	31.5	24.5	33.1	26.0	31.6	35.2	34.7	32.6	24.3
PLEK	0.8	0.6	1.1	0.5	0.8	0.9	0.8	0.8	0.7	0.3	0.8	5.7	0.8	0.2	1.2	1.4	1.6	2.2	1.7
PLEKHA1	8.1	7.7	7.1	8.8	8.8	11.0	9.4	5.5	6.8	8.2	9.0	9.3	13.6	11.6	10.9	14.0	10.3	9.3	8.8
PLEKHA2	6.4	6.7	8.1	3.6	8.5	6.9	6.6	4.1	5.3	6.1	6.2	5.5	8.1	5.2	5.6	6.4	5.5	5.7	6.3
PLEKHA3	7.0	7.1	7.9	5.7	7.7	6.5	7.0	5.7	6.4	5.6	8.4	7.6	9.5	7.2	6.9	7.2	7.2	9.3	7.0
PLEKHA4	3.4	4.2	3.0	4.9	5.1	3.7	4.8	9.5	3.5	3.8	7.2	7.8	9.3	3.0	5.8	19.1	4.3	4.7	2.7
PLEKHA5	14.6	15.0	16.9	13.5	17.5	14.3	15.3	9.5	9.3	10.2	12.6	11.9	12.8	17.2	12.6	12.9	7.8	13.0	19.7
PLEKHA6	5.1	3.9	6.8	4.4	5.6	3.1	4.9	5.4	4.0	3.2	3.3	2.1	5.0	3.7	3.4	3.2	2.8	2.8	5.1
PLEKHA7	5.3	7.6	6.9	4.4	7.2	3.2	4.7	5.1	6.1	8.0	3.8	5.7	4.9	4.4	2.9	5.0	4.9	6.9	7.7

PPM1M	1.3	2.7	2.1	1.8	4.4	3.0	2.3	4.3	5.1	2.9	3.7	2.6	4.4	4.2	8.7	3.2	3.5	3.5	3.3	4.8	5.4	2.9	2.8	3.4	3.0	3.5	3.9	4.4	2.6	3.0	3.0	3.6	7.3	4.8	3.7	2.6	4.4	3.8	4.0	3.6
PPME1	6.4	7.6	7.1	7.4	9.5	8.4	6.8	7.1	8.6	8.7	8.8	9.6	8.4	8.9	10.9	8.6	8.2	9.6	8.6	8.9	10.4	7.8	9.1	9.8	7.7	8.5	10.2	9.9	5.8	9.2	9.3	9.7	11.3	10.5	7.6	9.4	10.4	10.7	10.0	8.0
PPP1CA	20.3	26.1	21.7	28.4	22.8	20.5	21.5	24.6	25.3	25.9	24.7	26.2	25.5	26.5	24.4	21.2	24.1	20.8	24.0	19.3	26.1	19.2	24.2	26.3	17.7	20.9	24.5	27.5	20.1	22.7	21.8	24.6	28.1	25.9	22.6	20.0	23.5	20.8	23.2	23.6
PPP1CB	43.6	55.1	44.1	37.9	47.7	48.3	36.7	46.6	48.2	43.5	46.8	48.2	49.8	70.5	51.4	44.7	45.3	57.1	40.0	51.5	43.8	43.8	46.3	51.2	40.1	56.9	59.7	62.8	35.6	48.5	52.0	58.4	53.7	77.3	50.5	58.0	65.3	60.6	58.5	49.1
PPP1CC	45.7	36.4	32.9	50.1	43.8	33.4	39.4	43.4	33.0	31.8	34.4	28.3	40.5	38.0	32.3	39.6	25.9	34.3	31.3	31.5	38.1	37.1	32.9	31.5	23.6	29.1	41.3	35.8	21.1	32.9	29.1	33.7	40.4	38.0	48.7	30.2	47.9	30.9	38.9	49.2
PPP1R10	3.2	2.1	2.9	3.1	2.8	3.6	1.6	3.7	6.9	4.7	5.6	6.3	6.8	6.6	8.1	3.9	5.2	6.3	6.3	7.2	7.2	4.5	6.8	6.4	3.6	5.1	4.0	4.5	4.5	8.8	3.7	3.7	19.0	13.7	4.9	4.2	8.7	3.9	9.4	4.5
PPP1R11	16.5	16.9	15.5	19.6	15.2	17.6	16.2	17.8	16.6	16.9	14.6	17.6	18.9	19.9	17.3	19.0	16.7	16.9	15.0	16.0	17.2	15.9	15.8	18.2	12.0	16.4	20.5	21.3	13.5	19.2	15.3	18.1	20.1	17.3	15.0	14.8	18.2	18.4	20.6	17.3
PPP1R12A	6.5	5.4	6.0	5.2	5.8	5.7	4.6	5.7	7.4	5.6	5.8	5.0	5.3	6.9	6.4	5.1	6.4	6.9	6.2	10.1	5.4	5.2	5.8	5.5	5.4	7.1	6.2	6.4	3.7	4.1	5.6	5.8	10.2	8.6	5.6	7.1	7.5	5.1	7.6	6.4
PPP1R12B	166.5	85.2	89.9	87.8	104.0	123.4	100.7	165.5	136.8	110.8	160.2	103.5	87.5	73.2	63.3	122.8	80.7	112.1	105.3	110.2	71.7	129.0	111.9	115.0	89.5	69.5	106.3	107.4	62.2	71.3	67.2	110.4	42.4	100.0	131.3	73.2	84.1	58.9	69.3	143.7
PPP1R12C	48.7	39.7	45.5	38.4	47.2	40.8	39.1	46.6	52.5	62.1	45.0	64.3	50.4	52.7	41.2	53.8	59.3	45.7	63.5	31.4	51.8	44.6	55.5	59.4	41.6	39.2	60.9	62.2	40.9	52.8	43.8	57.7	50.3	53.5	56.2	45.0	45.6	50.8	55.7	45.3
PPP1R13B	17.4	17.4	11.1	13.5	19.1	21.1	15.3	19.2	11.9	11.3	12.5	11.3	12.7	14.0	11.0	16.7	12.6	12.2	11.9	12.3	10.9	12.9	11.8	14.5	14.3	11.8	15.9	13.0	9.7	11.9	9.5	9.8	13.2	17.5	13.4	13.0	15.4	11.8	16.9	11.5
PPP1R13L	28.2	24.9	19.3	20.7	24.8	26.7	22.1	20.4	21.8	16.6	17.3	17.9	14.4	18.5	16.8	25.2	12.1	12.0	14.5	16.9	15.8	18.8	18.6	18.6	15.2	15.6	18.5	22.0	15.0	19.5	18.9	25.1	8.2	16.3	17.5	16.6	19.3	13.9	10.4	18.2
PPP1R14A	9.5	8.2	9.6	10.1	16.6	12.2	9.3	9.7	9.3	6.2	5.9	10.2	5.5	10.6	27.0	7.9	7.1	7.9	10.4	10.7	11.6	9.1	7.6	8.1	10.6	11.0	7.0	7.4	9.7	9.0	11.5	8.0	13.7	8.5	6.0	6.1	6.2	8.4	9.6	7.8
PPP1R14B	24.3	15.1	21.0	35.5	24.7	16.1	21.2	25.0	20.7	15.4	17.5	15.8	18.2	29.1	24.6	22.4	21.8	19.1	16.2	22.0	18.5	20.1	12.1	17.0	16.6	15.1	12.8	19.7	25.2	16.5	16.6	27.5	18.4	22.9	16.4	22.9	17.8	20.5	11.7	17.7
PPP1R14C	21.2	16.6	17.6	20.1	27.3	14.1	17.8	24.7	19.9	20.3	19.7	20.9	24.8	25.5	20.2	19.9	14.0	22.7	20.6	25.2	18.2	19.9	18.7	21.2	17.4	23.0	17.2	19.3	15.9	17.8	12.0	19.8	7.9	26.7	29.0	14.4	17.9	11.7	12.1	22.2
PPP1R15A	33.3	25.5	34.7	21.6	24.9	36.2	25.9	24.8	39.1	38.6	36.9	29.2	46.8	41.6	76.2	31.6	38.2	31.4	35.1	45.5	30.4	30.6	47.0	23.9	36.1	50.8	40.4	40.0	29.9	88.8	33.3	45.1	126.9	39.3	36.4	54.7	39.7	48.3	55.4	35.1
PPP1R15B	3.7	3.9	3.9	3.4	4.2	4.1	3.3	4.2	4.8	4.4	3.9	3.1	3.8	4.3	3.8	4.9	3.4	3.8	4.6	5.7	3.6	2.9	3.5	3.4	4.2	4.7	5.6	4.3	2.7	5.5	3.9	5.0	15.3	8.7	5.2	6.2	7.8	5.3	7.7	5.4
PPP1R16A	9.7	13.2	10.5	13.9	14.8	13.1	10.0	12.7	10.5	10.5	12.8	11.5	12.2	13.5	7.8	11.4	8.9	9.4	10.7	9.0	9.1	11.3	9.0	10.2	8.3	9.2	10.8	13.4	8.6	10.9	10.2	10.2	4.9	8.4	8.0	8.3	9.4	6.7	7.6	9.6
PPP1R16B	1.9	2.1	1.4	1.8	2.5	1.4	2.4	1.9	2.6	2.2	2.2	2.1	1.9	2.1	3.1	1.5	2.7	2.5	1.4	3.3	2.5	2.8	2.4	2.1	0.4	1.3	1.8	2.3	1.2	0.9	0.9	0.9	6.4	2.4	1.6	3.1	1.9	2.6	1.5	0.9
PPP1R1A	28.6	21.0	32.7	38.3	17.9	14.1	48.1	15.0	11.8	8.1	21.7	8.8	17.3	9.3	7.4	14.8	13.1	8.9	18.7	7.7	33.7	13.6	11.1	7.3	9.1	6.0	23.9	15.5	6.0	17.6	25.6	17.3	15.3	7.7	38.0	11.7	19.5	9.3	21.2	15.4
PPP1R1C	8.1	6.5	5.3	3.2	7.2	5.0	5.4	9.6	6.6	7.9	8.9	9.3	5.6	6.1	5.2	5.1	4.1	7.6	6.2	5.8	4.9	6.3	6.8	9.4	4.5	10.6	5.6	5.0	3.5	3.5	5.6	5.3	2.6	6.8	8.2	3.4	4.8	3.9	8.2	6.5
PPP1R2	7.4	7.6	6.5	6.6	8.4	7.3	6.3	7.5	9.4	8.1	8.2	8.8	8.6	9.5	9.3	9.1	9.3	8.2	7.4	8.7	8.5	8.0	8.9	7.5	6.1	7.9	7.5	7.8	4.9	6.8	6.8	9.2	10.6	8.8	7.8	8.5	8.5	8.0	9.5	8.3
PPP1R3A	30.1	24.2	16.2	16.2	21.8	19.0	26.6	32.7	23.5	17.1	20.7	17.1	21.2	19.3	6.8	19.7	12.6	23.3	17.7	24.6	18.2	20.0	21.9	26.8	13.0	13.3	15.2	17.9	9.8	10.2	13.8	20.0	4.7	17.4	16.2	22.4	16.1	10.3	20.7	33.2
PPP1R3B	10.2	13.0	11.0	10.2	12.4	18.2	10.1	16.6	12.7	6.2	14.0	7.5	8.7	14.1	10.0	7.6	9.2	9.9	7.6	9.5	9.6	9.4	10.8	11.9	8.4	19.0	12.5	12.0	7.1	12.9	13.4	11.9	10.3	11.7	13.4	12.8	10.8	13.1	18.0	10.1
PPP1R3C	74.0	33.5	22.2	24.0	19.4	64.7	31.9	39.0	48.4	48.7	64.8	37.5	32.4	53.1	32.6	27.3	19.3	38.1	33.7	42.7	37.1	44.0	34.8	41.8	8.1	88.9	18.1	19.6	18.9	22.7	17.2	34.5	6.3	16.0	14.0	14.6	9.2	15.5	14.2	29.6
PPP1R3D	2.6	2.9	2.6	2.6	2.1	2.4	2.2	2.8	2.7	1.8	2.1	2.6	2.8	3.4	2.2	2.1	1.8	2.2	1.8	2.1	2.7	2.7	2.6	3.2	1.3	1.3	3.5	2.9	1.5	1.5	2.5	2.7	1.5	1.4	2.2	1.8	2.5	3.5	3.1	4.0
PPP1R3F	4.9	4.1	4.2	4.5	6.3	4.6	5.1	5.1	5.2	3.9	4.8	4.8	4.2	5.8	4.6	5.0	4.5	4.7	4.9	5.7	3.9	4.4	4.1	5.2	4.2	3.3	6.9	4.4	2.7	5.8	4.7	4.5	3.3	6.1	5.4	5.4	5.3	4.7	5.6	4.1
PPP1R3G	4.5	3.5	1.9	1.8	3.8	3.6	1.9	2.3	2.4	1.3	4.8	3.4	3.1	4.4	2.5	3.9	2.9	2.1	2.8	2.7	1.8	3.2	2.7	2.4	1.5	1.1	3.0	3.1	2.7	2.3	2.4	2.4	1.3	1.4	1.9	1.1	2.3	1.7	1.6	1.9
PPP1R7	19.9	24.1	19.5	21.1	21.6	20.5	19.1	17.2	21.8	23.6	24.4	28.6	26.8	25.5	28.3	23.6	26.7	26.7	21.1	26.7	26.0	21.5	24.4	25.3	17.8	23.1	25.0	27.2	20.4	26.9	25.8	24.6	22.5	25.6	24.7	21.6	25.2	26.5	26.1	22.2
PPP1R8	6.6	7.2	6.8	7.6	7.3	6.9	5.9	7.0	8.5	8.0	7.3	7.6	8.8	8.8	10.0	6.8	8.0	7.5	7.2	9.4	8.5	7.8	7.4	7.2	5.9	6.7	9.6	8.2	6.8	6.6	6.5	7.3	9.0	8.8	6.6	8.1	8.7	6.9	7.3	8.0
PPP1R9B	7.4	5.5	4.4	6.0	4.3	5.7	3.5	6.6	8.9	5.9	5.1	6.2	7.4	8.5	12.4	6.3	6.2	6.9	6.4	9.4	7.3	6.0	5.3	6.5	4.5	6.9	4.2	5.3	6.1	4.9	5.3	6.4	10.1	7.4	3.2	6.0	6.2	6.9	6.2	6.5
PPP2CA	31.0	36.1	39.4	29.1	35.0	31.0	27.5	32.8	39.5	49.5	42.3	44.7	45.0	46.1	31.7	41.6	36.7	43.7	41.7	36.1	37.3	36.0	43.2	40.1	22.5	38.2	38.1	44.5	32.5	37.7	38.5	48.0	33.9	43.0	36.9	41.3	43.8	45.3	45.8	37.4
PPP2CB	24.0	29.4	29.9	25.0	37.1	26.0	25.4	28.0	28.3	26.5	24.4	24.6	29.3	34.2	32.1	23.5	27.5	31.1	25.9	32.1	28.1	25.0	25.1	23.2	26.8	28.5	40.3	30.3	21.9	30.3	29.4	33.6	38.8	47.3	34.9	46.2	40.1	42.2	39.8	24.6
PPP2R1A	64.8	64.8	65.2	56.2	88.7	74.5	62.7	71.5	82.1	77.7	87.7	113.5	87.1	90.6	85.1	92.6	80.8	88.3	83.2	70.8	84.2	79.7	74.3	88.1	75.2	72.0	87.1	84.7	68.9	99.5	84.2	92.0	60.7	97.9	71.1	75.9	85.1	85.0	75.1	65.6
PPP2R1B	1.8	1.1	1.7	1.2	1.3	1.9	1.0	1.8	3.5	2.1	2.2	2.0	2.6	2.9	1.7	2.1	2.7	2.6	2.4	3.0	7.1	1.9	2.3	2.2	1.7	2.2	1.5	1.8	1.1	2.0	1.4	2.1	4.2	2.9	1.3	2.2	2.6	2.0	2.4	1.7
PPP2R2A	7.2	6.1	5.9	6.2	7.4	6.6	5.9	7.1	7.7	6.8	6.7	5.7	7.3	7.6	7.2	7.3	5.4	7.2	6.2	6.8	8.3	7.3	7.2	7.4	5.5	7.4	8.2	7.1	5.1	6.7	5.8	7.0	8.4	7.5	5.9	6.9	7.7	7.0	7.9	7.7
PPP2R2D	9.5	12.9	12.7	13.3	14.3	10.5	10.6	15.1	12.1	11.2	12.4	10.9	10.7	15.0	11.4	13.4	9.6	10.8	11.5	11.0	13.2	11.4	11.4	12.5	11.1	12.2	13.3	12.4	9.5	14.8	11.7	13.2	13.4	12.4	13.2	9.8	13.8	8.5	11.9	13.0
PPP2R3A	16.6	19.2	17.8	9.5	15.7	12.7	14.6	17.8	14.7	12.3	14.5	7.7	11.7	13.6	5.7	12.8	11.1	13.7	13.3	10.6	12.4	13.2	17.5	11.2	8.9	9.9	17.6	18.2	6.9	8.0	15.0	15.5	7.0	11.6	15.9	18.5	19.9	14.3	17.2	21.6
PPP2R3B	15.8	13.2	16.5	17.6	24.5	15.1	17.4	16.9	17.7	14.0	19.4	13.1	19.5	22.7	11.5	16.2	14.0	18.2	16.4	11.2	10.9	19.6	14.3	17.2	17.5	10.9	19.7	22.5	12.3	22.7	18.5	14.9	9.1	16.5	17.8	11.5	14.8	16.7	12.7	17.8
PPP2R3C	5.9	5.7	6.3	5.3	7.5	6.5	6.0	5.6	6.4	5.3	6.5	7.3	8.9	7.9	6.8	5.9	7.7	8.0	6.5	6.0	6.1	5.0	6.2	5.6	4.2	5.9	6.2	5.7	4.7	6.9	4.9	5.9	8.0	7.8	5.0	5.8	6.5	6.0	7.5	4.9
PPP2R4	24.7	29.0	26.1	25.4	25.7	23.8	26.5	28.2	28.1	24.0	31.2	29.2	28.5	34.6	25.9	23.9	20.8	21.9	23.0	26.4	20.9	24.7	22.8	22.9	20.1	22.6	25.5	27.0	24.1	24.9	26.2	30.4	16.7	25.4	24.3	18.1	27.6	18.9	22.5	21.8
PPP2R5A	18.6	17.6	19.4	24.3	20.0	14.5	16.8	19.6	17.7	17.8	16.8	17.3	22.7	31.0	17.6	21.2	21.8	20.0	20.2	19.4	23.5	18.2	18.9	20.3	13.2	14.9	19.7	17.9	14.6	18.1	13.8	19.4	21.9	22.0	20.0	19.2	23.8	17.7	22.1	17.0
PPP2R5B	5.3	5.1	5.4	4.5	6.4	5.2	4.3	6.1	6.6	5.6	5.7	5.6	5.9	8.4	7.3	6.7	5.7	6.9	6.3	6.9	6.6	6.0	4.5	5.3	4.5	5.5	5.0	6.5	4.8	6.8	6.2	6.4	8.3	7.4	4.5	4.6	7.3	5.5	5.3	4.6
PPP2R5C	24.3	29.7	28.2	33.5	31.9	24.6	33.9	31.5	30.6	29.4	33.3	24.9	32.1	34.8	20.0	32.0	27.5	31.7	27.9	23.0	27.4	28.6	30.7	27.8	17.5	28.2	23.2	31.6	17.5	23.2	22.2	26.2	26.5	25.2	28.2	24.3	33.3	19.5	29.8	34.9
PPP2R5D	11.9	11.5	9.2	12.3	12.8	11.4	10.7	11.0	11.2	11.0	10.0	10.4	13.2	12.2	12.7	11.4	11.3	10.0	10.0	10.4	10.6	11.7	10.5	10.4	7.5	9.1	12.9	10.1	7.8	10.1	8.6	8.6	12.6	11.1	10.1	9.7	11.5	8.8	12.0	10.4
PPP2R5E	4.9	5.2	5.4	5.7	4.5	3.9	4.7	6.2	6.3	5.4	4.9	4.5	4.5	6.7	3.8	5.5	5.8	6.0	5.6	6.6	5.2	5.0	5.2	5.4	3.4	5.0	4.7	5.5	3.1	3.2	4.0	4.9	5.0	6.6	3.9	4.6	7.1	4.6	4.5	6.6
PPP3CA	3.8	3.1	2.5	3.4	3.0	3.1	3.4	3.3	4.3	2.7	3.5	2.0	3.9	3.5	4.4	3.2	2.2	3.2	3.1	4.2	4.4	3.3	2.6	2.4	1.9	4.0	2.8	3.6	2.6	3.1	2.4	2.5	6.2	4.1	2.7	3.4	3.8	2.3	3.5	3.9
PPP3CB	14.9	17.2	14.4	15.1	18.9	14.0	14.7	17.5	19.6	15.9	17.1	13.0	20.1	23.8	19.1	17.3	14.3	17.8	13.6	17.6	17.6	16.5	18.6	17.6	14.2	16.2	17.3	18.5	13.7	16.3	15.2	18.0	15.9	19.1	17.3	17.0	21.2	15.3	20.0	19.6
PPP3CC	9.5	11.2	11.8	16.8	12.1	9.2	11.6	9.5	9.3	9.1	8.5	8.8	9.0	12.8	8.4	8.7	10.3	9.0	8.5	8.6	9.4	8.9	7.7	7.4	8.7	8.0	10.5	10.7	5.5	10.8	9.8	11.2	13.8	11.4	9.5	11.9	12.5	10.0	13.6	9.1
PPP3R1	7.7	6.8	5.3	5.5	7.8	5.8	5.1	7.7	9.0	6.8	6.9	6.3	8.5	8.6	10.0	8.6	7.1	8.4	6.3	9.1	9.2	6.4	7.5	7.1	5.7	7.6	7.3	7.0	5.7	7.0	6.6	7.4	13.5	9.7	6.5	7.8	7.6	7.8	9.5	8.4
PPP4C	7.6	9.5	8.1	10.6	8.7	10.3	9.3	8.1	12.6	11.9	10.7	12.7	13.0	13.4	13.2	11.0	11.6	9.1	11.1	11.0	11.9	10.3	10.4	9.1	9.4	7.7	9.7	10.0	12.2	16.0	10.3	13.2	16.1	12.4	10.4	10.0	12.7	13.6	13.1	9.4
PPP4R1	9.4	8.7	9.5	9.5	11.9	7.1	7.0	8.9	10.2	9.1	7.8	7.4	10.1	12.8	8.9	8.7	9.4	9.1	9.2	9.1	8.1	9.7	8.6	7.8	6.7	8.8	9.2	9.8	6.3	7.4	7.8	10.0	11.8	11.3	9.8	9.9	10.2	9.4	9.0	8.7
PPP4R2	8.6	7.5	8.2	8.2	6.8	8.0	7.4	9.8	9.5	7.1	10.9	4.9	6.1	7.3	3.7	8.0	7.0	7.9	7.6	11.1	8.0	6.0	7.4	7.6	6.1	6.4	9.5	7.5	3.4	3.8	4.5	9.3	11.5	10.7	10.8	13.0	12.5	6.5	8.1	8.0
PPP5C	17.2	20.3	18.1	20.5	21.5	20.5	16.8	23.5	21.3	18.6	20.5	23.1	17.9	22.6	19.4	19.9	20.6	19.3	20.8	20.0	18.2	21.2	20.9	23.7	17.9	18.2	24.9	22.0	19.3	18.6	18.7	23.1	18.9	24.6	19.6	20.4	24.2	20.2	23.6	22.0
PPP6C	7.8	7.1	7.8	7.3	7.3	6.8	6.3	7.7	8.7	6.5	7.7	6.7	7.7	8.3	8.5	8.2	7.7	7.7	7.4	8.0	8.2	6.8	7.1	7.2	5.3	6.4	8.1	7.0	4.8	6.9	7.7	7.7	10.0	8.5	7.5	7.4	8.2	6.9	8.6	7.8
PPP6R1	8.4	8.4	8.0	9.0	9.9	8.7	7.6	9.5	11.2	10.3	8.8	9.2	9.2	10.4	11.1	10.4	10.8	9.1	9.9	9.3	9.4	8.3	8.8	9.3	7.2	7.5	9.9	9.8	7.1	9.2	8.5	10.8	14.1	11.2	7.7	9.0	10.7	10.9	10.1	7.8
PPP6R2	8.7	9.2	7.9	9.7	10.3	8.9	7.7	9.5	9.8	7.6	9.5	8.6	9.8	10.5	9.7	9.0	8.9	8.0	8.2	7.9	9.7	9.2	8.1	8.2	8.4	7.8	11.0	10.0	7.7	9.4	7.6	8.7	11.4	10.7	9.3	8.5	10.0	10.3	10.7	8.7
PPP6R3	10.6	11.9	9.5	11.1	12.6	10.4	9.8	13.1	12.9	11.5	10.9	10.3	10.3	12.7	8.9	10.5	11.0	11.5	10.9	14.3	11.1	9.7	11.7	11.3	9.9	11.7	11.0	10.9	7.9	7.8	10.3	11.7	14.3	13.6	11.6	12.0	15.6	10.5	11.9	13.9
PPPDE1	6.1	5.6	4.4	5.5	6.7	5.6	5.1	6.1	6.7	4.9	6.1	5.6	6.6	7.9	5.7	5.6	5.3	5.6	5.4	8.1	6.2	5.3	5.1	5.5	5.5	6.6	5.1	6.0	4.9	5.2	4.5	5.9	8.0	8.2	5.4	5.8	7.4	5.0	6.1	5.6
PPPDE2	9.8	7.9	9.1	11.0	9.0	9.0	8.5	10.0	6.8	9.2	8.4	7.5	10.2	9.2	6.0	9.2	5.7	9.0	7.5	6.0	8.4	8.5	8.2	7.6	4.8	5.8	8.9	8.9	5.0	7.4	8.2	8.2	5.2	8.3	6.7	7.8	11.2	8.7	9.3	8.1
PPRC1	2.5	2.8	3.0	4.1	3.3	2.2	2.3	2.7	3.9	3.4	2.4	2.9	2.7	4.2	4.1	3.2	3.0	2.6	2.9	3.6	3.4	2.6	2.6	2.8	3.5	4.0	3.1	3.3	2.7	3.9	2.4	4.7	7.8	6.7	3.2	3.8	4.6	4.3	5.2	2.4
PPT1	8.5	7.8	8.6	10.0	9.8	7.2	9.4	10.8	16.3	10.9	10.0	9.6	12.2	9.1	18.2	10.4	9.8	11.4	10.0	13.6	12.1	10.8	11.5	9.2	7.2	10.8	10.7	12.4	7.1	10.2	10.6	11.3	14.1	11.1	8.3	10.1	10.8	10.9	11.7	11.6
PPT2	6.5	5.3	5.1	6.4	5.7	5.0	4.4	6.5	7.6	6.7	7.0	8.1	6.9	7.5	9.3	7.7	5.8	6.3	7.6	8.4	7.1	6.6	5.7	7.4	6.0	5.9	6.9	5.4	4.1	6.1	5.7	5.4	6.7	6.1	7.9	4.1	5.7	3.6	6.9	7.9
PPTC7	16.0	25.6	23.4	15.1	18.6	15.4	15.3	24.0	16.5	16.2	16.1	11.3	9.4	14.6	5.4	16.3	11.1	17.0	16.2	15.4	15.8	15.0	18.0	14.2	6.9	13.6	17.4	16.1	6.1	7.6	11.0	14.2	11.4	17.1	15.5	17.4	18.6	11.5	12.7	21.2
PPWD1	5.5	5.6	5.0	5.4	7.6	5.5	4.7	5.0	8.2	6.8	6.8	6.9	7.4	7.1	8.8	6.3	7.3	6.6	6.2	9.1	8.6	5.9	8.4	7.1	5.3	5.9	7.3	5.9	4.4	7.7	6.1	6.0	11.6	6.9	6.8	6.6	6.6	4.7	6.9	6.6
PQBP1	22.1	18.0	12.8	21.8	18.8	17.6	15.4	17.6	18.3	14.8	16.1	16.2	17.4	18.9	18.8	15.8	15.6	13.3	18.5	21.2	15.6	15.4	16.7	17.7	17.4	14.3	23.6	17.4	11.3	19.4	18.8	16.6	22.7	17.5	22.1	14.6	18.2	13.5	21.6	18.1
PQLC1	5.6	5.4	5.7	5.8	8.1	5.6	5.8	5.9	7.7	7.1	7.5	7.3	7.8	7.1	8.6	9.3	6.6	6.2	8.0	7.4	10.8	6.9	6.3	5.6	8.3	7.8	8.7	8.6	6.5	9.1	6.8	7.9	12.4	9.3	10.0	5.8	8.2	7.6	8.5	4.7
PQLC3	2.5	2.5	2.3	2.3	3.9	4.0	2.2	3.2	4.8	3.0	2.6	3.1	5.9	3.5	9.0	3.4	3.2	2.7	3.5	6.3	4.6	2.7	3.4	2.5	3.0	4.2	3.3	3.6	3.9	3.6	2.4	3.5	8.2	4.0	2.1	3.2	4.4	2.8	4.3	2.6
PRAF2	2.4	4.4	3.7	8.0	6.2	4.5	5.1	5.7	6.2	5.8	4.9	5.3	7.4	9.1	11.8	5.5	7.0	5.7	5.3	6.6	7.6	5.5	6.4	4.8	4.6	7.8	2.9	5.2	8.4	5.5	6.0	7.8	10.0	6.6	4.1	5.2	7.3	4.9	5.9	3.6
PRCC	7.8	9.6	7.2	10.1	10.5	8.6	7.5	10.5	9.7	8.3	8.6	8.5	9.5	12.6	11.8	8.3	8.9	6.7	8.3	9.0	9.1	8.3	8.0	8.2	8.1	8.5	11.7	9.4	8.1	10.3	8.8	9.9	11.4	9.3	9.4	8.9	9.7	9.1	9.8	8.3
PRCP	13.5	11.3	10.6	13.6	18.7	13.3	8.6	16.6	22.8	13.6	16.7	14.3	22.4	19.2	31.1	14.0	17.7	17.4	14.6	21.5	21.1	13.5	14.1	15.9	9.4	15.6	11.0	14.0	14.8	17.8	12.8	15.7	28.7	15.0	11.0	9.9	13.9	11.0	10.3	15.0
PRDM2	6.1	6.6	5.4	4.6	7.0	5.8	5.0	6.1	7.5	5.6	5.7	6.0	7.3	6.1	7.6	6.6	6.4	6.3	5.8	7.6	7.4	6.0	7.5	6.6	6.8	5.9	8.7	6.7	5.5	4.9	6.9	7.3	11.5	8.6	7.0	10.7	9.3	7.7	9.9	7.2
PRDM4	3.7	3.9	2.8	4.0	5.1	3.4	3.3	4.1	4.8	3.4	4.4	3.2	4.2	4.8	4.9	4.3	4.7	3.2	3.5	4.4	4.1	4.2	4.1	3.8	3.4	3.9	4.6	4.4	3.0	3.0	3.6	4.3	6.6	4.5	4.0	4.2	4.8	4.5	5.4	4.9
PRDX1	88.0	72.2	73.4	73.2	100.1	82.4	76.9	75.1	94.0	66.8	84.1	78.2	97.6	99.1	109.2	70.0	82.7	75.0	67.8	86.6	81.9	64.0	65.2	70.6	72.6	71.7	80.4	68.2	71.1	86.8	79.4	83.9	86.2	82.3	93.4	71.7	88.0	64.7	75.9	72.9
PRDX2	148.6	159.8	167.0	150.5	184.6	172.9	159.9	169.8	154.4	134.5	183.2	175.7	137.1	130.4	128.1	149.7	150.6	153.5	141.7	150.4	153.3	150.4	140.6	158.6	142.0	105.6	160.6	164.7	111.0	165.1	141.2	147.9	93.5	148.0	164.0	154.8	142.6	121.8	149.6	151.4
PRDX3	82.4	88.5	80.5	82.4	94.7	77.7	87.0	87.7	90.4	77.5	114.8	94.7	98.9	99.1	70.6	81.8	69.3	98.2	70.4	88.6	89.7	88.9	92.7	87.0	63.4	67.6	95.2	91.7	69.7	86.0	80.4	87.2	48.3	105.5	77.4	87.8	95.9	87.1	93.2	87.3
PRDX4	13.6	9.2	12.4	13.1	18.8	9.5	12.3	14.5	14.7	12.1	12.6	13.3	18.1	20.5	24.3	11.6	13.7	11.0	12.4	18.1	18.0	15.4	11.9	11.6	13.0	16.4	12.9	11.4	12.5	14.9	9.0	15.0	20.0	15.9	12.0	10.9	14.0	12.2	11.6	11.8
PRDX5	91.0	85.9	86.1	69.8	69.7	61.1	91.9	70.0	71.5	55.5	75.3	77.1	53.8	50.6	62.9	59.2	55.9	61.3	68.0	75.6	55.2	64.2	70.9	69.3	80.5	53.8	80.7	84.3	48.2	75.2	85.3	86.0	55.7	81.5	102.3	79.9	64.2	62.8	77.1	81.8
PRDX6	102.9	76.7	91.9	113.3	119.8	85.2	86.0	69.6	67.7	61.0	95.0	75.8	88.2	93.9	61.2	114.8	71.0	59.3	66.5	61.8	94.4	67.7	68.5	59.8	66.1	52.6	109.6	65.6	47.2	91.8	61.9	68.6	85.9	84.1	92.5	83.5	130.4	61.7	81.4	72.7
PREB	10.7	12.2	12.5	16.8	14.8	13.0	9.6	11.8	14.0	12.2	15.1	16.4	15.0	15.8	16.9	12.2	12.5	15.2	14.0	15.1	15.1	14.1	17.8	16.1	11.4	11.9	17.3	18.5	12.2	15.0	12.0	13.0	14.6	14.4	12.6	15.7	15.5	15.6	16.0	12.1
PRELID1	5.9	9.6	8.7	15.4	14.7	8.5	8.0	11.6	14.7	13.7	12.0	10.3	14.1	13.9	19.3	12.0	17.7	11.3	13.8	13.1	13.4	9.7	13.4	12.2	10.8	12.8	12.5	13.7	13.5	12.8	13.8	17.9	20.7	15.1	12.5	10.7	13.0	16.7	15.4	10.5
PRELP	6.8	13.5	8.7	6.4	13.7	20.2	10.6	13.1	37.4	36.6	13.5	9.9	64.0	69.7	145.1	36.0	53.8	16.4	20.8	57.1	34.7	17.9	20.3	13.9	19.9	51.0	13.9	21.2	31.8	25.7	4.0	18.1	75.1	68.9	9.6	31.6	21.7	27.4	42.4	16.8
PREP	6.4	7.2	6.1	5.0	7.0	5.6	5.2	7.1	8.5	7.0	8.0	5.9	6.7	8.4	7.1	8.0	6.7	6.6	8.0	6.6	8.6	6.9	7.4	6.9	5.2	6.7	6.6	7.7	4.9	8.4	6.9	8.0	6.6	7.2	6.4	7.7	10.5	6.7	8.1	8.9
PREPL	13.6	13.5	15.0	12.2	11.8	12.0	11.1	14.3	16.9	14.4	16.6	13.7	12.8	14.8	8.2	14.4	14.4	18.6	17.0	19.0	14.4	13.8	17.2	16.8	9.7	12.7	14.6	16.4	7.3	7.2	14.2	14.5	11.7	17.8	15.1	16.8	18.5	17.2	18.0	16.3
PREX1	1.8	2.3	3.0	4.2	5.2	3.3	2.7	3.8	3.2	2.5	1.6	2.2	2.9	2.3	3.7	3.2	3.3	2.3	3.1	3.1	2.6	1.4	2.3	1.9	1.8	2.8	3.1	2.5	1.6	2.5	2.7	3.5	11.2	4.6	1.9	2.5	5.9	4.1	5.0	2.4
PRG4	0.3	0.4	0.3	0.6	0.2	0.1	0.2	0.2	5.6	2.2	1.4	0.3	0.8	1.1	8.2	1.1	1.3	0.2	2.6	8.1	1.7	1.7	0.6	1.0	0.7	2.7	0.2	1.5	1.5	0.3	0.3	1.4	0.5	1.1	0.5	6.9	0.6	0.9	0.3	1.6
PRIC285	1.4	1.3	1.3	1.4	2.5	1.7	1.3	1.1	2.9	1.8	1.5	1.7	5.7	1.0	2.2	1.7	1.4	1.9	2.3	3.1	2.0	1.4	1.1	3.4	1.3	1.6	1.9	1.8	1.2	2.1	1.7	2.3	3.3	3.4	2.6	2.3	3.0	1.8	1.8	1.8
PRICKLE1	3.8	4.2	2.1	2.0	4.5	3.8	3.2	4.9	4.3	3.0	4.1	4.7	4.5	6.3	4.5	3.6	3.4	4.0	3.5	5.4	3.6	5.0	5.2	5.8	2.1	5.4	4.4	4.1	3.2	3.4	3.6	4.2	2.2	3.6	2.2	3.0	3.5	3.2	5.2	8.4
PRICKLE2	1.0	1.0	1.1	0.7	1.2	1.1	0.7	1.2	1.7	1.0	1.2	0.9	1.6	1.5	1.6	1.2	1.6	2.0	1.3	2.6	1.8	1.0	1.1	1.1	1.6	2.5	0.8	1.4	0.8	0.9	1.2	1.6	5.5	3.7	1.0	1.8	2.5	1.5	2.3	1.5
PRICKLE4	2.3	3.3	0.6	2.3	2.6	2.7	2.6	3.2	3.2	2.3	2.9	3.0	4.1	3.3	5.0	1.8	2.6	2.5	2.7	2.6	3.6	3.3	1.7	2.2	1.9	2.0	2.7	4.3	2.6	3.4	4.2	3.1	5.2	3.3	2.1	2.5	3.8	3.9	3.7	1.6
PRKAA1	5.7	6.0	6.1	5.5	7.6	6.8	5.4	7.0	7.0	4.8	5.2	4.6	5.2	6.7	5.0	5.3	6.2	6.2	5.4	8.4	6.2	5.6	6.5	4.6	5.0	5.8	6.1	5.6	4.2	5.1	6.1	6.1	8.6	7.4	5.3	7.4	7.0	6.5	7.7	6.8
PRKAA2	10.0	11.5	10.1	4.7	8.3	6.9	6.5	9.4	11.1	8.7	10.4	9.9	8.4	9.9	5.3	8.0	9.4	12.1	11.2	10.2	7.2	8.5	11.9	10.3	7.1	8.6	10.5	11.3	5.2	7.0	10.7	10.2	7.0	11.5	12.4	9.8	13.4	8.3	11.1	13.0
PRKAB1	2.9	3.3	3.8	3.4	3.6	2.7	2.6	2.6	4.1	3.2	3.2	3.9	4.7	3.5	6.6	4.3	4.0	3.7	3.5	4.6	4.8	3.9	2.9	3.0	2.7	3.6	6.4	5.1	4.3	5.8	4.5	4.7	7.7	3.9	2.9	5.2	5.4	5.1	5.1	3.4
PRKAB2	7.5	15.7	11.9	9.9	13.2	13.8	8.7	7.9	11.2	7.8	13.0	7.8	10.3	12.9	7.8	9.7	9.5	14.7	7.1	13.7	9.3	9.8	11.7	10.1	9.0	6.8	9.9	9.6	6.8	9.1	8.5	9.7	6.4	13.3	8.9	16.0	8.4	14.3	13.4	10.5
PRKACA	78.5	71.7	69.5	66.1	58.4	56.0	64.4	63.2	73.6	58.9	70.0	73.9	58.4	81.4	61.4	74.6	59.5	63.7	59.0	73.3	63.0	66.4	62.9	62.2	56.6	56.7	61.7	68.0	64.3	69.3	62.1	76.9	40.2	71.5	59.2	61.7	71.2	59.0	60.9	63.9
PRKACB	4.7	5.4	4.9	4.4	5.4	3.7	4.0	6.4	6.6	5.8	6.7	4.4	5.2	7.4	4.9	5.8	6.6	6.8	5.6	7.8	5.7	5.7	6.4	6.2	4.2	4.6	5.4	6.4	3.5	3.7	4.6	5.8	5.8	6.8	6.0	5.8	7.6	4.8	6.1	7.1
PRKAG1	32.4	31.0	32.2	29.9	35.9	34.2	28.4	34.2	30.4	24.2	31.9	34.0	36.5	35.2	26.4	37.9	29.6	35.5	28.4	29.8	30.5	34.7	28.2	34.8	23.3	19.9	33.4	34.1	20.6	34.1	27.2	29.1	24.2	28.0	28.5	28.5	36.6	22.9	30.4	32.4
PRKAG2	30.2	29.2	30.2	25.9	58.7	26.4	28.4	45.3	30.4	25.5	27.9	28.9	25.4	30.0	28.9	25.6	22.2	29.0	21.6	29.5	26.8	33.7	26.0	29.9	26.2	28.7	40.6	39.1	22.6	27.8	31.3	30.2	17.8	28.1	35.0	25.7	28.5	30.2	24.2	31.9
PRKAR1A	147.5	140.3	172.7	76.1	121.5	98.5	100.0	133.3	161.3	206.0	163.8	173.8	141.9	177.2	94.8	167.6	210.9	208.1	151.5	128.5	156.2	160.7	185.9	188.6	82.9	158.2	204.8	187.1	83.6	113.5	113.4	188.6	168.4	183.8	163.1	180.2	159.8	144.7	144.5	172.5
PRKAR1B	2.9	3.2	2.8	2.8	6.0	5.1	5.0	4.0	4.0	4.7	4.9	5.2	5.8	4.7	5.7	5.9	4.1	2.6	5.9	4.5	6.3	4.8	4.0	4.8	3.9	5.4	4.5	4.8	3.4	5.8	4.5	4.9	5.3	3.2	5.3	3.2	4.3	3.6	4.9	5.0
PRKAR2A	8.2	7.4	8.7	7.8	8.7	6.5	7.6	8.8	11.0	6.6	8.1	4.5	4.1	7.0	2.3	7.2	6.8	7.4	7.9	6.8	5.8	6.6	6.8	6.3	3.3	4.8	6.2	6.5	2.5	2.5	4.7	5.9	7.0	8.5	6.5	7.6	8.0	5.2	5.2	8.2
PRKAR2B	5.0	3.8	3.8	6.3	7.7	7.1	4.2	8.5	10.5	5.6	7.0	6.7	8.4	11.1	10.9	7.0	11.7	9.0	7.2	10.1	33.0	6.3	7.5	7.7	9.5	6.4	5.6	8.4	6.3	6.4	4.6	6.8	14.6	10.8	6.6	6.6	10.4	7.6	9.1	7.1
PRKCA	1.9	2.6	2.0	1.8	1.4	2.3	1.3	2.4	1.9	2.3	2.9	3.2	1.9	2.6	1.3	1.6	2.1	2.3	3.1	4.0	1.7	3.3	1.9	1.1	1.0	2.5	2.4	2.3	0.8	1.3	1.1	1.6	1.9	2.0	2.6	3.3	1.7	3.4	2.0	1.4
PRKCD	3.8	3.0	2.2	4.1	5.7	3.2	2.9	2.5	3.8	2.1	2.1	2.3	4.3	3.7	6.8	2.9	4.0	2.1	2.9	4.4	14.9	2.7	2.5	2.9	2.1	3.0	3.1	2.2	3.5	2.6	2.4	3.3	7.2	3.8	3.2	2.6	4.1	3.5	4.2	3.0
PRKCDBP	9.1	9.4	7.7	9.4	32.1	9.7	8.6	14.8	14.1	12.2	12.6	14.5	14.0	24.8	29.4	7.6	16.7	9.8	11.9	17.8	18.6	12.0	8.9	9.8	10.7	11.4	9.3	12.5	19.0	17.3	18.0	13.3	11.7	13.2	11.4	11.5	10.4	10.2	8.1	9.1
PRKCE	1.9	2.4	2.1	2.1	3.1	2.0	2.1	2.7	1.9	1.9	2.0	1.5	1.5	1.6	1.6	2.0	1.3	1.9	1.8	2.1	1.7	1.8	1.9	1.8	1.2	1.8	1.7	1.5	1.2	1.5	1.9	1.8	2.5	2.8	1.8	3.2	2.4	2.4	4.2	2.1
PRKCH	5.9	4.7	4.8	4.3	7.4	7.1	5.7	4.5	6.2	4.2	5.6	4.5	7.0	4.5	6.9	5.3	4.8	4.0	5.9	6.8	4.9	4.6	4.6	5.1	2.9	7.8	4.3	5.3	3.8	6.2	6.3	5.6	15.4	7.2	5.2	4.5	7.8	5.3	5.9	5.1
PRKCI	2.8	2.5	2.4	2.4	2.5	2.1	1.9	2.4	2.9	2.3	2.0	1.9	1.9	2.3	2.2	2.3	2.3	2.5	2.1	3.4	2.3	2.4	2.2	1.8	2.3	2.1	2.3	2.2	1.5	1.4	1.7	2.6	3.7	3.0	2.0	3.2	2.9	2.4	2.7	2.5
PRKCSH	17.3	18.0	14.8	19.8	23.6	20.1	15.4	21.1	22.9	17.1	20.6	23.4	21.7	24.2	37.5	20.6	22.9	21.1	21.2	24.4	27.2	22.1	25.3	22.1	19.2	21.1	21.9	24.2	18.5	23.1	18.7	21.2	37.0	21.9	16.6	17.8	23.0	19.4	20.3	21.2
PRKCZ	3.1	2.7	3.3	4.2	2.5	3.0	2.5	3.6	2.9	4.0	3.9	3.3	3.4	3.3	2.5	4.5	2.4	2.5	4.3	2.0	2.5	2.9	4.0	2.6	2.1	2.8	4.0	3.7	2.1	4.2	3.4	3.3	2.5	2.2	3.0	3.2	4.1	2.4	3.6	3.1
PRKD2	3.8	3.0	1.8	2.5	2.7	3.2	3.0	2.8	6.0	3.6	3.2	2.9	3.8	4.3	6.5	3.5	3.1	3.3	3.3	4.9	4.0	2.4	3.3	3.8	3.4	4.1	3.7	3.8	2.6	4.7	3.5	4.3	11.4	4.8	3.0	3.3	3.4	3.1	4.2	3.6
PRKD3	2.3	2.2	1.5	1.9	2.4	2.1	1.5	2.1	2.7	1.9	2.1	1.4	2.0	1.8	2.0	1.3	1.9	2.2	2.9	3.9	2.2	1.9	1.7	1.7	1.2	2.6	1.6	1.8	1.2	1.4	1.9	1.8	5.2	3.6	2.2	2.3	3.7	1.8	2.1	2.5
PRKDC	4.6	4.7	4.6	5.4	5.2	4.1	3.8	5.2	7.1	5.4	6.1	4.8	4.8	5.9	3.8	4.7	4.9	6.1	4.7	6.2	4.9	5.2	5.6	6.0	3.5	4.6	4.3	4.6	3.3	3.2	3.5	4.4	5.3	5.8	4.2	5.1	5.5	4.4	4.5	6.1
PRKG1	3.5	3.0	3.2	2.0	3.8	2.5	2.4	4.8	4.6	2.7	3.3	1.9	1.3	2.5	1.0	2.5	2.9	4.8	3.6	6.4	1.8	2.3	3.1	2.3	2.2	2.5	2.2	2.1	0.6	0.6	1.5	1.9	2.2	4.4	2.7	3.5	4.1	1.8	2.4	3.5
PRKRA	14.1	17.1	14.7	21.7	15.5	15.7	13.7	16.2	14.7	13.5	14.4	14.3	16.9	21.7	17.1	15.6	13.7	13.0	13.6	13.9	14.1	14.6	12.8	11.3	9.0	13.3	15.6	16.5	12.6	13.3	13.7	16.8	15.2	14.8	14.6	14.5	15.9	13.1	15.3	15.1
PRKRIP1	3.4	3.6	2.9	3.5	4.4	3.5	3.1	3.1	5.3	2.4	3.7	4.3	4.6	3.9	6.1	3.8	3.6	2.9	3.7	5.2	4.4	3.3	4.4	3.4	4.5	3.6	4.8	4.6	4.1	4.2	5.2	4.1	6.2	4.6	4.1	4.2	3.6	2.9	3.7	3.8
PRKRIR	7.4	6.2	6.9	6.1	6.6	7.2	5.4	7.2	9.2	6.8	7.5	6.6	7.9	8.4	8.7	6.5	7.2	8.5	7.3	8.8	7.6	6.6	8.0	7.6	5.0	6.8	7.5	6.6	5.1	6.2	6.4	7.9	10.2	9.3	7.9	7.6	8.1	7.1	8.5	8.3
PRMT1	35.1	35.7	35.4	45.2	37.5	38.0	35.0	40.1	46.7	37.2	45.7	45.3	45.5	43.8	50.4	35.1	41.7	38.9	40.8	42.4	39.9	42.7	39.3	44.6	36.7	40.2	40.5	51.5	39.7	48.1	38.2	50.2	37.4	44.0	40.4	37.5	42.4	44.3	36.4	37.0
PRMT10	1.9	1.5	1.8	1.8	2.2	1.5	1.5	1.9	2.1	1.6	2.1	2.0	2.0	2.4	1.7	2.2	1.9	2.2	1.9	2.6	1.7	2.1	2.0	2.0	1.6	1.9	1.6	1.9	1.6	2.3	1.5	1.7	3.3	2.6	3.4	2.6	2.3	1.6	2.2	2.1
PRMT2	13.1	10.2	10.9	9.6	11.4	11.0	9.9	10.9	14.3	12.3	15.7	14.4	19.7	24.4	25.3	11.9	16.6	13.2	13.6	20.3	19.1	15.0	13.5	12.0	10.6	17.5	16.6	16.5	18.3	16.9	11.4	15.3	19.3	17.8	16.4	12.6	18.7	19.7	15.3	10.9
PRMT3	3.1	2.8	3.1	4.9	4.9	3.3	3.3	3.3	4.0	2.4	3.4	3.4	2.5	3.9	2.7	2.7	2.9	3.2	2.4	3.0	2.8	3.6	3.2	3.2	2.0	2.3	2.6	3.6	2.8	3.3	2.6	3.4	2.6	2.4	3.0	2.5	3.0	2.6	3.1	4.6
PRMT5	10.7	12.8	10.7	15.7	11.4	11.3	10.0	11.2	12.5	11.7	11.8	14.3	12.7	11.1	13.6	12.7	13.1	11.5	11.1	12.0	12.2	13.0	12.7	14.0	9.3	9.4	13.4	12.2	7.9	11.2	8.6	10.6	12.8	14.8	9.6	10.4	14.0	12.3	12.3	11.4
PRMT7	4.7	4.8	4.3	3.7	7.1	6.7	4.5	4.5	5.4	4.4	5.8	6.3	6.9	6.1	6.6	5.5	4.3	4.8	5.2	5.5	6.5	6.9	4.7	5.4	5.3	3.9	5.8	6.7	4.7	6.6	4.8	4.4	5.3	5.7	5.9	3.7	5.8	4.0	4.8	5.3
PRNP	49.0	50.4	45.8	45.9	56.8	43.1	39.1	42.3	58.5	44.8	76.3	49.0	49.9	45.3	60.9	53.7	42.5	51.8	51.4	58.4	45.2	54.4	66.2	61.9	46.3	50.6	85.3	62.3	29.6	45.8	46.5	58.3	43.9	49.8	74.7	48.1	55.4	45.3	71.1	73.3
PROCR	3.5	3.0	2.9	3.1	5.0	3.8	6.1	3.5	4.2	3.5	2.0	3.4	1.8	4.7	7.3	4.8	1.6	2.6	2.9	6.4	5.7	4.4	1.7	3.0	3.2	4.5	2.5	1.9	2.6	3.2	2.4	4.1	4.0	2.3	2.2	2.7	2.9	2.5	2.2	3.4
PRODH	9.4	20.3	17.0	13.0	11.5	23.7	9.6	2.7	1.4	2.7	8.1	3.8	3.7	1.7	3.5	5.7	3.6	4.0	2.2	3.8	3.8	1.9	4.1	3.6	2.0	1.9	7.2	4.5	3.2	2.1	6.0	2.1	5.7	2.1	1.2	5.7	3.4	1.2	5.4	2.8
PROM1	0.6	0.6	0.4	0.6	0.4	0.3	0.6	0.2	1.1	1.8	1.6	0.6	0.7	1.2	0.4	0.9	4.7	1.4	1.2	0.5	1.1	3.2	3.4	1.6	0.3	1.4	1.1	7.3	0.2	1.4	0.9	2.0	1.0	0.9	1.1	0.8	1.2	1.4	1.8	2.0
PROS1	12.6	18.6	9.9	24.9	20.9	11.8	18.2	19.6	37.3	37.1	29.5	20.1	33.4	58.4	30.6	21.0	90.8	22.9	24.7	28.7	39.2	30.5	48.7	16.1	14.1	27.1	25.3	21.5	21.7	27.3	11.3	25.9	48.8	40.5	11.0	30.5	61.5	42.8	32.3	16.9
ProSAPiP1	4.2	3.8	2.9	4.0	3.9	4.1	3.7	3.6	3.3	2.4	2.6	2.3	2.9	3.1	2.8	3.4	2.0	2.2	2.8	2.9	3.0	2.5	2.4	2.1	2.3	2.3	4.2	3.7	1.7	2.9	3.4	3.8	2.4	2.7	2.6	3.4	2.7	5.0	3.6	2.8
PROSC	9.9	11.5	9.7	11.7	11.3	11.2	9.7	9.5	10.7	11.2	12.0	13.1	12.2	13.5	13.3	12.3	10.7	13.7	11.2	13.3	13.5	11.0	12.0	11.4	7.7	10.4	12.9	12.5	8.3	10.8	10.9	11.6	11.3	13.8	10.0	12.6	13.5	13.3	11.7	10.0
PROX1	5.0	4.3	4.5	3.7	2.6	3.5	3.7	5.2	7.1	2.3	5.6	1.3	0.9	4.5	0.3	1.3	3.2	4.2	4.8	6.2	2.0	2.9	3.8	3.2	1.6	2.2	1.2	1.2	0.1	0.3	1.4	1.1	1.1	2.1	0.9	2.7	2.4	1.9	2.0	6.1
PRPF18	4.8	4.7	4.2	6.5	4.9	5.6	4.4	4.5	4.8	4.9	6.2	5.6	6.2	7.8	5.8	5.7	5.8	5.6	5.2	5.5	5.6	5.1	5.9	5.7	3.9	5.1	5.3	5.8	3.9	5.9	4.4	5.6	7.4	6.1	5.2	5.4	5.5	4.9	6.4	4.9
PRPF19	9.8	11.9	11.1	12.0	13.3	10.7	9.5	9.9	13.6	10.7	10.4	11.9	14.2	12.7	16.9	11.7	11.3	12.1	11.2	13.9	15.1	11.9	11.0	13.6	10.1	11.1	12.6	11.9	9.6	12.6	11.1	13.2	16.6	13.8	12.7	11.0	15.2	12.2	10.5	10.6
PRPF3	6.4	9.1	7.2	9.3	9.5	7.9	6.3	7.0	10.2	7.7	8.4	8.4	10.2	8.7	13.0	9.0	8.1	10.4	8.3	11.7	8.7	7.6	9.1	9.5	9.3	10.6	10.8	9.3	7.8	10.3	9.7	9.1	15.5	11.8	9.9	9.6	10.4	7.6	11.2	9.4
PRPF31	6.7	8.7	7.0	9.4	10.7	10.8	8.6	9.1	9.0	9.2	10.0	9.9	12.2	9.6	12.0	9.3	8.2	7.7	9.1	9.2	11.0	9.1	10.9	9.4	8.3	8.0	10.5	13.4	7.8	12.2	8.4	10.4	11.8	9.2	9.3	8.4	9.0	8.3	10.4	9.3
PRPF38A	4.7	5.3	4.8	5.0	5.2	4.6	4.6	4.7	6.8	5.4	4.4	4.3	6.0	5.4	6.7	6.7	4.6	5.6	5.1	6.6	4.9	4.5	6.4	4.5	5.1	5.8	6.5	5.9	3.7	5.5	5.1	6.2	11.0	7.6	6.0	5.9	7.2	5.1	7.1	5.8
PRPF38B	4.8	4.9	3.3	5.3	5.4	3.9	3.9	5.0	5.6	4.9	4.8	4.1	6.0	5.3	6.2	5.8	4.7	5.2	5.2	7.5	5.1	4.1	5.4	4.9	5.2	5.8	5.5	5.0	3.9	5.6	5.4	5.8	10.9	7.9	5.8	5.6	7.4	4.7	7.8	5.6
PRPF39	4.0	3.8	3.8	4.0	4.8	3.0	3.1	3.3	4.4	4.6	3.1	4.8	4.2	5.6	4.7	4.1	2.9	3.8	3.3	4.9	4.3	3.7	4.0	4.6	4.7	5.3	4.4	4.7	2.9	4.0	4.3	4.9	7.3	6.1	5.2	4.0	5.8	3.5	4.2	4.7
PRPF4	3.8	3.9	3.7	3.2	3.4	2.6	3.2	2.9	3.4	3.6	3.8	3.2	4.0	4.6	3.9	3.9	3.8	3.8	3.0	4.2	3.2	3.3	3.1	3.8	2.9	3.6	3.9	4.2	2.2	2.4	3.1	3.7	5.5	4.2	4.4	3.6	4.8	3.6	4.5	3.7
PRPF40A	4.3	4.3	4.3	4.5	4.7	3.4	3.5	4.1	5.1	3.9	3.4	3.3	4.2	4.8	3.6	4.1	5.0	4.5	3.6	5.3	3.5	3.4	4.2	3.7	2.9	4.2	3.9	3.5	2.7	3.2	3.1	4.1	7.0	4.9	3.3	4.8	4.5	3.5	4.5	5.0
PRPF40B	6.1	6.6	5.5	5.5	5.7	7.5	5.1	5.5	6.5	5.2	6.7	7.2	6.2	6.6	6.6	5.8	5.5	6.4	5.9	6.4	5.4	5.5	5.9	6.0	5.3	5.6	6.3	8.1	5.6	6.9	7.2	5.6	5.1	6.3	6.3	4.6	6.4	4.4	5.9	6.4
PRPF4B	5.2	5.6	5.0	5.4	6.2	4.9	4.2	5.2	7.0	5.7	6.1	4.8	5.2	6.2	4.3	5.6	5.5	5.6	6.2	8.2	5.5	4.9	5.8	5.2	5.5	5.2	6.1	5.3	3.3	3.9	5.0	5.3	9.0	7.3	6.1	6.6	8.0	5.4	6.7	6.7
PRPF6	16.0	16.5	13.9	13.4	15.9	15.7	11.9	15.7	17.1	16.5	15.7	19.3	18.8	16.9	20.6	16.4	16.9	15.6	15.9	19.5	18.4	15.5	17.2	19.0	14.6	16.9	21.5	17.9	14.4	18.2	13.8	15.6	22.2	18.7	17.7	14.3	19.0	16.4	17.0	16.8
PRPF8	25.4	27.3	22.2	25.1	26.2	22.2	19.2	24.6	28.7	25.6	24.2	25.5	22.7	23.4	28.3	26.3	25.1	23.7	24.4	26.8	25.7	25.3	25.9	28.0	16.3	24.9	26.6	26.0	16.5	16.5	18.3	23.4	32.7	27.8	22.9	21.0	25.8	21.9	27.8	28.2
PRPS1	7.2	6.8	6.2	7.8	6.1	6.9	6.8	6.5	8.8	7.1	7.1	8.0	7.1	7.2	8.4	9.8	7.0	8.6	7.1	9.3	8.9	7.2	8.1	7.7	6.0	6.8	7.1	7.9	5.7	7.2	6.1	7.8	8.2	9.2	6.9	6.6	8.4	6.0	7.2	6.9
PRPSAP1	7.3	6.7	5.8	5.2	8.0	8.0	4.6	5.3	6.0	4.6	6.2	5.5	6.0	7.4	8.5	4.5	6.2	5.1	4.7	7.2	6.9	5.7	4.3	5.4	3.9	5.8	5.5	5.5	6.2	5.8	5.4	5.1	7.8	5.3	5.4	4.6	6.3	4.2	5.1	6.2
PRPSAP2	2.6	3.7	3.0	3.7	3.5	3.9	2.6	3.1	3.8	3.2	4.0	4.1	4.6	5.6	5.4	2.9	3.5	3.3	4.0	5.2	3.7	3.8	3.7	4.1	2.4	3.7	4.3	4.0	2.7	4.7	3.9	3.5	4.3	4.1	2.4	3.2	3.7	3.2	3.6	3.4
PRR12	2.6	2.6	1.9	1.8	2.1	2.2	1.9	2.9	3.2	2.4	2.9	3.0	2.9	3.0	4.4	2.2	2.1	2.6	3.0	3.4	2.8	2.8	3.0	3.0	1.8	3.0	2.3	3.1	2.1	1.5	2.3	2.5	3.1	2.2	1.7	1.8	2.6	2.3	2.6	3.1
PRR13	9.9	10.8	9.7	14.1	13.3	13.1	12.5	11.0	15.2	11.4	11.6	13.3	11.6	13.8	21.3	12.1	12.5	10.1	10.6	11.8	12.8	10.4	12.7	11.9	11.4	12.3	15.1	9.6	9.2	16.4	10.9	14.7	22.0	12.7	10.5	10.0	10.4	10.8	17.0	10.5
PRR14	3.1	5.0	4.0	5.0	6.5	5.1	3.8	4.9	5.8	5.5	4.8	5.4	6.5	6.1	10.1	5.2	6.5	3.8	5.6	7.1	7.3	4.8	5.5	4.4	5.5	5.7	5.1	5.6	5.5	6.0	5.2	4.4	10.4	6.5	5.9	5.4	7.5	4.6	6.9	5.2
PRR16	1.6	3.1	1.2	1.2	3.8	2.2	2.1	4.2	2.3	2.1	1.3	1.6	2.8	4.2	4.0	2.1	2.3	2.4	2.0	2.9	1.5	3.9	2.6	2.0	3.6	4.4	2.8	3.7	3.0	3.9	2.7	2.1	4.2	5.0	2.8	3.1	4.1	2.5	3.6	2.9
PRR24	2.5	3.5	2.3	4.4	5.1	5.6	4.1	3.7	6.0	4.2	3.2	4.7	7.4	6.5	10.9	6.4	5.4	3.0	5.5	6.5	7.9	5.0	4.7	5.0	7.1	6.2	5.1	6.0	7.2	7.4	5.3	5.8	11.0	6.0	8.1	5.2	4.5	4.3	5.7	3.2
PRRC1	3.8	3.6	3.5	3.9	3.8	3.1	3.0	3.8	4.9	3.0	4.0	3.5	4.4	5.4	4.2	3.4	4.2	4.1	3.5	5.9	4.4	3.3	4.0	3.9	2.5	4.6	3.1	3.6	3.4	2.6	3.2	3.9	5.0	4.2	2.9	3.5	5.1	3.9	3.4	4.7
PRRC2A	16.3	19.6	16.8	18.4	17.3	18.0	15.2	21.4	24.3	21.4	19.7	19.2	19.1	21.7	24.3	19.6	19.6	20.5	19.3	21.7	19.8	19.5	21.0	20.2	13.5	20.7	21.8	22.8	14.7	15.9	18.7	21.8	24.2	26.4	19.1	20.8	23.1	24.5	24.1	20.5
PRRC2B	14.5	15.2	11.0	14.0	16.1	13.1	9.9	14.3	16.8	13.6	13.6	12.0	12.2	14.0	16.0	12.4	13.0	14.7	12.5	17.1	14.3	14.1	13.2	14.0	9.3	15.7	13.1	15.8	9.7	8.4	9.8	11.7	18.1	16.5	13.7	11.9	15.9	12.8	14.3	13.8
PRRC2C	6.1	6.1	5.7	6.2	5.8	5.6	4.8	6.7	9.0	5.7	6.5	4.7	5.0	6.4	5.8	5.7	6.7	7.6	7.3	9.1	5.9	5.4	6.8	5.9	5.1	6.8	5.3	5.3	3.1	4.3	5.8	6.1	13.0	8.7	6.1	7.6	8.7	5.2	6.9	8.5
PRRT2	1.7	1.5	0.8	0.6	1.1	1.8	1.0	1.0	2.2	0.8	1.6	1.2	2.5	1.9	5.9	1.4	1.4	1.9	2.0	4.2	2.3	1.7	2.1	1.4	2.0	2.7	1.7	1.8	2.3	2.4	1.8	1.4	4.0	2.4	2.3	0.6	2.0	0.8	1.7	1.6
PRRX1	4.9	6.4	7.3	6.3	11.1	9.2	6.1	8.5	11.2	10.5	12.9	8.3	20.5	19.7	20.7	7.5	17.4	14.0	11.0	12.6	9.9	9.5	16.4	10.6	9.1	15.2	18.4	17.0	15.6	15.5	16.6	17.5	19.2	27.0	13.9	16.5	26.1	22.2	19.8	10.6
PRSS23	1.4	2.0	2.8	2.6	3.9	1.6	1.1	1.6	5.8	3.5	2.2	2.3	7.2	9.3	14.4	2.4	9.2	4.2	3.1	6.9	4.8	1.9	2.1	2.2	2.7	6.6	5.2	3.3	5.3	5.1	3.4	3.1	20.3	9.2	1.5	4.2	2.9	4.8	3.4	1.5
PRSS45	0.1	3.1	0.9	0.0	0.0	0.2	0.1	1.2	2.4	0.2	0.0	0.1	0.1	0.4	0.0	0.6	0.3	3.5	0.1	0.1	0.2	0.0	0.0	1.6	1.8	0.6	0.2	0.0	0.0	0.0	0.1	0.4	0.1	2.0	0.0	0.0	0.5	0.0	0.1	2.7
PRSS46	0.0	6.8	0.1	0.0	0.0	0.0	0.1	0.1	4.2	0.3	0.0	0.3	0.1	0.0	0.1	0.0	0.1	0.8	0.0	0.2	0.2	0.0	0.0	2.8	1.7	0.4	0.0	0.1	0.1	0.0	0.2	0.2	0.3	1.9	0.0	0.0	0.2	0.0	0.0	3.8
PRSS50	0.3	13.1	1.0	0.0	0.7	0.1	0.2	0.7	8.5	0.6	0.2	0.5	0.7	1.2	0.7	0.5	2.0	3.2	0.5	0.3	0.5	0.3	0.3	6.6	5.2	0.4	0.3	0.8	0.5	0.2	0.9	0.4	0.8	3.8	0.2	0.1	0.6	0.3	0.2	5.2
PRTFDC1	1.4	1.3	2.6	3.4	0.9	1.6	2.5	2.3	2.2	0.9	2.1	1.2	2.1	4.2	2.9	2.1	2.9	1.3	1.4	3.0	3.3	2.7	1.8	1.3	1.1	2.0	1.7	1.9	1.7	1.9	1.7	2.4	3.3	1.7	1.3	1.0	3.6	1.2	1.8	2.3
PRUNE	10.6	9.6	10.2	8.8	11.3	10.2	9.8	9.3	11.1	9.7	11.1	11.5	11.7	10.9	10.5	11.2	10.1	9.4	9.8	10.3	8.8	10.5	11.0	11.0	8.4	8.1	13.8	11.4	6.1	9.7	8.3	10.4	6.5	8.8	11.5	8.2	9.8	6.6	11.1	12.2
PSAP	331.6	252.9	285.0	272.5	402.0	299.7	279.0	314.4	396.1	292.6	373.3	368.2	359.2	328.8	410.1	360.8	339.7	366.6	337.6	346.7	410.9	361.5	340.8	348.5	244.3	265.2	358.0	306.7	225.2	326.6	228.1	301.4	350.6	398.6	306.4	310.2	341.0	338.5	324.8	318.7
PSD3	12.0	7.5	4.9	7.0	4.8	5.3	6.1	5.7	8.2	9.1	7.1	3.6	4.2	4.9	2.7	7.3	5.3	6.3	9.1	6.4	6.8	8.9	8.1	8.0	3.9	4.5	4.2	7.4	1.8	2.5	5.7	5.8	3.3	6.0	9.1	5.6	8.4	3.6	4.1	9.8
PSEN1	3.5	3.5	3.2	4.0	4.3	3.4	3.1	3.8	4.7	3.9	3.0	3.1	4.9	3.7	4.4	4.1	4.0	4.0	4.4	5.0	4.2	3.4	4.0	3.4	2.7	3.9	3.8	3.9	2.7	3.0	3.1	3.3	7.1	5.0	3.8	4.3	4.3	3.1	4.7	4.5
PSEN2	3.7	3.4	3.7	3.7	4.5	3.0	5.1	3.1	4.6	1.9	4.5	3.7	4.3	4.0	4.3	4.3	2.7	2.7	3.2	3.6	3.3	3.7	3.6	2.8	2.4	2.3	3.8	3.8	3.5	4.3	4.7	5.6	2.9	3.2	3.2	3.0	3.6	2.9	3.1	4.6
PSENEN	11.1	10.4	11.8	14.3	11.0	11.0	9.8	10.8	14.2	10.4	10.2	12.7	12.5	12.4	17.0	12.7	12.0	8.6	11.7	14.2	10.8	10.2	8.6	10.8	11.3	8.3	11.9	14.1	9.8	13.1	13.2	14.0	12.8	13.4	14.1	11.2	10.5	10.0	13.2	11.7
PSIP1	11.6	11.5	7.3	9.7	8.9	12.2	9.5	10.9	13.3	10.5	9.8	11.1	12.0	10.7	16.2	10.7	10.1	12.2	12.3	17.2	12.6	10.3	14.0	12.5	8.0	13.5	11.0	11.5	8.4	9.7	9.6	10.3	16.5	11.5	11.4	9.5	10.2	6.8	12.3	14.0
PSKH1	5.3	5.7	6.8	6.0	7.5	5.3	4.5	5.9	6.4	6.5	6.4	6.0	6.3	7.9	7.0	5.5	5.5	5.7	6.3	5.9	7.0	6.0	5.6	6.3	3.5	4.4	5.8	6.2	4.7	4.6	4.9	5.5	5.2	6.1	4.7	5.3	7.2	6.8	5.7	4.5
PSMA1	35.0	33.1	36.5	39.1	42.0	37.3	35.8	31.7	43.2	38.6	43.1	43.8	49.6	49.3	42.9	40.1	38.7	45.9	36.1	41.4	45.0	41.4	40.1	36.2	34.3	33.4	38.9	38.9	33.6	43.4	35.8	45.1	37.8	47.2	43.1	43.5	44.6	43.0	45.8	40.6
PSMA2	20.4	21.1	18.3	18.5	20.3	17.9	18.6	18.9	21.6	19.0	21.4	19.9	27.3	25.3	19.1	18.9	19.4	20.7	19.0	23.1	23.4	18.4	17.7	18.0	16.9	18.6	22.8	19.3	16.9	26.6	19.0	19.6	22.3	24.2	22.1	20.1	21.8	20.0	23.2	20.2
PSMA3	43.7	31.4	34.2	43.3	33.7	34.1	33.7	31.6	34.7	31.4	33.1	31.1	42.7	34.2	34.4	35.3	34.6	36.1	29.8	33.1	34.8	35.7	32.5	31.8	29.1	24.4	42.1	35.0	28.8	37.6	35.8	38.7	29.6	32.5	40.5	30.9	37.8	26.2	31.8	36.1

RAB3IL1	2.7	2.3	1.9	4.1	3.1	2.8	1.7	2.9	4.7	2.7	3.5	2.1	4.9	2.5	9.5	3.5	3.2	2.3	2.9	5.2	4.0	3.1	2.9	2.3	3.1	4.8	1.7	3.1	4.4	2.7	1.8	3.5	7.8	4.7	2.9	3.4	2.7	2.5	2.9	2.2
RAB40B	6.2	6.1	6.7	3.9	6.1	6.4	6.7	7.7	10.7	7.4	7.2	6.6	8.9	7.6	7.5	7.6	6.1	7.7	7.2	6.8	7.3	7.0	9.8	6.8	10.5	8.0	6.4	6.7	7.2	6.6	6.3	8.3	5.0	8.9	8.4	4.9	10.0	5.7	10.6	6.7
RAB40C	3.9	4.3	3.6	4.0	6.3	5.3	3.0	4.5	4.4	3.9	4.0	4.1	4.7	5.5	5.6	4.9	4.5	4.6	3.6	4.0	5.1	4.6	3.6	4.0	5.6	4.1	5.5	4.6	5.2	6.4	4.4	4.4	4.6	5.3	2.4	2.7	4.5	4.0	3.7	3.7
RAB4A	20.9	26.4	25.7	18.7	25.0	19.2	22.3	24.3	20.3	21.7	23.5	23.8	22.0	32.2	20.9	25.3	22.7	22.9	20.9	21.2	25.5	20.6	23.8	21.5	15.9	19.4	24.3	23.7	18.2	25.8	26.7	28.2	17.3	27.2	17.9	29.2	25.9	39.3	34.8	22.5
RAB4B	1.6	4.7	4.0	4.1	3.3	4.6	3.4	2.9	4.3	3.2	4.1	5.8	4.0	5.2	3.4	3.5	5.7	4.3	4.7	5.5	5.4	3.9	2.7	2.7	3.2	3.0	3.7	2.2	4.1	3.7	6.0	5.9	8.9	5.9	4.4	7.6	3.0	7.2	5.2	3.0
RAB5A	11.3	13.2	13.2	14.9	15.2	12.6	11.0	14.7	13.9	13.0	14.7	16.3	15.8	15.9	14.2	15.1	13.8	13.7	14.5	15.1	15.3	13.7	14.9	15.2	9.3	13.0	15.4	15.8	10.4	12.1	12.1	16.5	16.3	14.5	11.5	13.2	14.5	15.8	16.5	16.0
RAB5B	33.6	35.9	34.3	32.8	33.3	35.4	31.3	34.8	37.9	32.7	35.8	31.7	38.7	37.8	39.1	37.3	35.3	36.3	36.0	38.6	35.6	36.2	35.5	33.6	30.8	32.6	46.5	36.8	28.5	31.5	30.0	35.8	35.4	39.4	39.4	36.4	40.8	38.4	44.9	37.1
RAB5C	18.1	19.7	22.3	22.1	29.4	19.4	20.3	22.1	28.2	17.8	20.1	17.2	22.9	21.1	38.5	17.5	23.8	18.9	21.9	27.6	27.9	19.0	18.3	16.5	12.9	22.3	25.1	22.4	16.2	19.3	18.5	23.0	45.9	26.2	18.5	23.9	24.9	25.2	24.7	21.1
RAB6A	22.2	26.8	23.8	22.8	29.3	23.5	19.8	25.3	29.3	28.7	26.8	24.7	31.8	36.2	33.0	27.3	31.8	30.5	26.6	31.6	28.3	28.3	29.7	25.4	19.2	33.6	28.4	29.3	23.8	23.3	23.1	30.3	33.5	36.2	25.3	25.6	33.6	30.2	30.5	25.5
RAB6B	6.6	4.2	5.2	4.5	10.9	6.7	6.3	9.7	7.0	6.4	9.2	7.2	6.1	7.8	6.5	9.5	5.5	7.1	7.7	6.1	7.8	8.3	8.3	7.5	4.8	4.4	8.3	8.2	4.6	5.0	6.1	7.2	3.0	6.4	6.9	5.1	7.5	7.8	7.0	7.2
RAB7A	54.6	60.6	59.8	59.7	71.2	61.1	51.8	64.7	65.3	64.3	64.0	56.1	64.4	66.4	72.7	62.8	63.2	70.0	61.4	64.6	65.9	60.4	67.5	68.8	47.2	70.6	72.5	76.1	47.6	62.5	63.1	70.9	70.1	69.2	61.0	64.5	67.0	63.9	69.8	65.7
RAB7L1	1.9	2.1	2.4	3.1	1.9	2.3	2.4	1.8	2.6	2.5	2.5	2.1	2.2	4.5	4.3	2.0	3.1	3.2	2.2	4.4	2.8	3.0	2.1	2.9	0.9	2.7	2.2	1.7	1.3	1.2	2.0	2.7	3.0	2.8	1.7	2.3	1.8	2.3	1.7	1.8
RAB8A	4.1	4.0	2.8	4.4	5.0	4.1	3.4	5.3	6.0	4.6	4.7	3.7	6.3	5.1	9.2	5.5	3.9	4.4	5.4	6.1	6.8	4.7	4.8	4.7	3.2	5.1	6.2	5.2	4.5	6.7	4.5	4.7	13.1	6.3	4.8	4.5	6.2	4.1	6.2	5.3
RAB8B	2.0	1.5	2.0	1.8	2.9	2.0	1.8	2.4	2.6	1.9	1.5	0.8	2.2	2.1	3.2	1.9	1.8	2.5	2.0	3.3	2.8	1.7	1.4	1.4	2.4	4.1	2.7	2.1	1.8	2.6	1.8	2.3	12.9	6.2	2.2	2.8	4.2	2.3	4.6	1.8
RAB9A	6.2	6.5	5.6	5.2	7.1	5.2	5.3	6.5	7.3	5.9	4.3	5.6	8.1	6.4	8.1	6.7	8.7	5.8	5.5	5.6	6.6	5.7	6.3	6.8	6.7	7.2	9.0	7.7	5.1	5.7	6.1	7.6	9.1	6.8	6.9	7.1	8.4	7.7	8.9	8.2
RAB9B	8.3	8.0	9.9	7.2	8.8	6.3	5.6	9.6	6.9	6.4	8.1	7.4	6.7	7.0	5.5	5.6	8.0	9.2	6.7	7.0	5.0	6.3	5.8	7.5	3.2	5.7	8.9	7.2	3.2	5.1	8.0	7.4	2.8	5.9	6.3	7.3	6.1	7.9	4.9	7.9
RABAC1	13.9	14.0	13.5	19.0	34.3	17.3	17.0	17.0	19.8	14.7	17.6	21.0	23.2	32.7	31.5	16.9	22.0	16.7	17.8	23.4	24.4	16.3	14.0	16.7	16.0	18.9	13.0	17.7	22.6	21.7	17.9	22.3	28.1	23.4	16.3	16.0	20.7	18.2	18.1	14.1
RABEP1	13.4	12.3	11.6	10.8	12.7	11.6	9.8	14.1	14.8	12.9	14.0	10.2	13.3	17.5	10.4	13.2	14.2	17.5	12.7	13.3	11.4	11.6	13.1	13.2	7.1	10.2	11.5	12.3	7.9	11.0	11.6	13.3	14.3	18.1	11.6	15.6	15.3	15.7	11.2	14.3
RABEP2	5.7	4.6	3.4	4.6	3.9	3.1	3.5	3.8	5.3	3.1	4.2	4.9	4.5	5.3	5.0	4.0	3.5	3.6	3.8	4.9	3.9	3.9	3.8	4.7	4.1	3.1	4.1	3.8	3.4	4.7	6.2	5.4	5.0	4.9	4.3	5.0	4.9	4.2	5.0	4.7
RABEPK	2.5	3.0	3.2	2.4	4.4	3.3	2.4	3.1	4.2	3.6	4.9	4.9	4.2	4.7	6.2	3.3	2.9	4.5	3.4	6.1	4.6	4.1	3.1	4.2	3.7	3.5	3.8	3.9	3.5	4.8	3.2	3.8	4.7	4.1	3.2	3.0	3.6	3.7	2.9	3.6
RABGAP1	9.8	10.3	9.7	8.4	11.7	9.4	8.8	10.3	12.5	10.7	12.4	9.9	11.8	14.1	11.8	10.9	12.7	13.3	11.5	12.1	11.7	11.3	13.3	11.8	8.4	11.7	11.4	11.0	7.5	9.9	9.7	11.2	14.3	14.5	9.7	12.5	13.3	14.7	14.1	12.5
RABGAP1L	33.1	23.6	31.7	30.0	19.5	20.2	32.3	14.9	19.5	31.6	42.5	21.3	38.6	29.3	17.1	35.7	29.9	32.6	30.1	23.1	25.5	32.0	39.9	31.8	14.2	25.8	45.3	53.2	15.6	44.5	37.6	43.0	25.1	28.9	25.4	41.2	41.8	35.5	53.7	48.7
RABGEF1	4.2	4.0	3.3	3.8	3.8	3.4	3.2	3.8	4.6	4.9	4.1	4.2	4.2	6.0	5.1	4.0	4.4	4.4	4.2	5.5	5.0	4.0	4.5	3.7	3.4	4.4	4.3	4.0	3.0	3.5	3.1	3.6	5.8	4.4	4.1	3.2	4.1	3.4	4.0	4.0
RABGGTA	4.6	4.3	5.1	6.0	6.3	6.1	5.4	5.9	5.9	4.2	4.7	4.0	5.3	4.6	5.2	6.1	3.7	4.1	4.4	4.0	3.8	5.1	3.8	4.8	4.1	4.1	6.2	5.4	3.7	5.9	4.8	5.9	5.7	4.1	5.1	4.6	4.8	4.6	3.9	4.9
RABGGTB	17.2	17.6	14.7	12.1	12.9	13.0	13.1	11.2	18.6	17.7	20.7	20.4	19.0	17.9	16.9	17.3	18.3	19.5	14.8	19.6	17.7	13.6	18.8	17.3	17.6	15.2	20.1	19.0	11.2	19.1	18.8	18.9	15.7	20.4	17.4	20.4	17.3	18.0	23.8	16.7
RABL2B	1.3	1.8	1.3	1.7	1.6	1.7	1.3	1.6	3.0	2.4	1.7	1.6	2.7	2.5	4.7	2.0	2.9	2.1	2.5	3.8	2.2	2.1	2.3	2.0	2.9	2.9	1.3	2.5	2.3	1.9	1.7	2.8	4.5	2.6	2.1	1.7	2.3	2.7	3.3	2.6
RABL3	2.1	2.5	2.0	2.4	2.0	2.6	2.2	2.9	3.0	2.4	2.6	2.6	2.6	2.5	3.0	2.6	2.8	3.4	2.6	3.6	3.1	2.2	2.8	2.5	1.7	2.0	3.3	2.6	1.8	2.3	2.5	2.9	2.9	3.3	3.0	2.4	2.7	2.6	3.3	2.8
RABL5	4.0	3.5	3.2	3.9	5.2	5.0	3.4	3.9	4.5	4.2	5.1	5.5	5.8	4.3	4.6	4.5	4.3	4.7	3.5	4.1	4.9	4.8	4.8	4.8	3.8	3.5	3.5	3.7	3.5	4.0	2.9	3.8	3.5	4.3	3.5	3.8	4.0	3.5	3.9	3.4
RAC1	37.7	37.6	35.7	45.0	46.4	38.7	38.4	37.4	45.1	41.1	35.9	38.3	47.4	47.4	61.4	45.0	44.4	40.4	44.6	44.2	46.3	37.6	44.4	41.1	34.8	43.3	43.5	42.9	36.5	46.5	38.6	47.0	61.0	48.4	40.8	41.0	47.3	42.1	52.7	42.5
RAD1	2.8	2.7	2.5	2.7	2.8	1.9	3.0	2.9	2.6	2.5	2.5	2.3	2.5	3.1	1.9	2.5	2.3	2.2	1.9	2.2	2.6	2.5	3.4	2.2	1.5	1.7	2.8	2.4	1.4	2.0	2.7	2.5	1.8	2.1	2.1	2.2	2.7	3.5	4.5	2.8
RAD17	7.6	7.2	6.1	5.2	6.2	6.6	5.6	6.9	6.9	6.0	6.1	6.5	6.7	9.7	5.8	6.1	6.0	6.2	6.0	7.0	5.9	6.3	8.0	7.3	5.0	5.3	6.2	8.2	5.0	7.0	4.9	6.6	4.7	5.8	5.6	5.4	6.6	5.1	5.3	8.1
RAD21	28.5	33.6	28.2	20.3	30.4	27.2	26.1	28.9	29.6	29.4	28.8	28.9	28.7	33.2	22.0	32.5	28.3	31.5	27.7	28.9	27.8	29.9	33.5	30.2	21.4	29.7	38.0	33.8	19.3	26.2	24.9	31.6	41.0	37.3	33.9	37.2	37.7	30.0	53.8	34.8
RAD23A	45.4	49.9	47.1	59.4	44.5	43.3	42.8	42.7	44.6	41.8	41.8	48.8	45.7	50.6	46.2	44.7	49.4	42.7	45.9	35.5	46.3	35.5	47.1	41.2	37.6	40.2	54.8	56.2	34.7	46.2	46.6	51.7	45.0	45.3	41.8	41.7	45.0	43.6	48.9	46.3
RAD23B	24.5	23.7	22.4	28.8	23.1	19.1	22.1	23.6	26.9	25.9	25.3	24.1	27.6	32.4	25.4	25.2	26.8	28.3	21.5	24.5	29.5	26.7	30.6	23.3	17.5	21.6	27.7	27.8	17.8	19.4	19.6	28.2	28.6	31.0	21.8	29.1	33.0	31.0	31.0	27.5
RAD50	6.4	5.6	5.1	6.0	5.6	4.9	4.8	5.4	5.0	4.8	5.6	4.1	5.1	5.9	3.2	4.6	6.0	6.2	5.3	6.6	5.3	5.5	5.6	4.9	2.6	5.2	3.5	3.7	3.1	3.2	3.5	4.6	4.8	6.0	4.0	5.6	5.7	4.3	4.4	5.9
RAD51C	7.3	7.5	6.6	8.6	9.0	8.5	6.6	8.1	7.4	6.6	6.9	7.7	9.5	9.4	6.8	6.5	5.2	8.6	5.9	6.8	6.4	6.2	6.1	6.9	6.6	5.8	7.3	5.8	4.7	6.5	5.1	8.1	4.8	7.0	8.1	7.3	8.8	5.4	6.6	7.7
RAE1	3.4	4.3	4.0	4.7	4.8	4.9	3.0	3.9	4.9	4.2	3.1	5.2	5.0	6.2	4.8	4.3	4.8	3.8	3.8	5.0	5.8	4.6	4.7	4.2	2.7	3.5	4.0	5.1	3.4	5.6	4.6	5.2	5.1	4.7	4.0	4.3	5.9	3.5	4.6	4.0
RAF1	39.2	35.9	33.4	30.9	40.6	33.1	31.7	34.0	35.7	34.9	34.3	33.6	32.3	44.1	31.5	36.1	32.1	32.9	32.6	31.1	34.9	35.5	34.3	36.9	28.7	29.2	40.8	38.3	26.6	30.2	32.1	33.1	32.3	38.6	38.9	36.2	42.0	39.4	46.6	40.8
RAGE	2.3	1.4	1.1	2.2	1.9	2.3	1.5	1.6	2.0	1.2	1.9	2.0	2.4	1.5	3.7	2.4	1.4	1.7	2.1	2.0	2.0	2.4	1.7	2.3	2.3	2.6	2.5	1.4	2.7	2.1	1.8	1.9	2.7	3.1	1.6	1.4	1.3	1.7	1.9	1.9
RAI1	4.7	4.7	2.9	5.0	4.7	2.8	2.9	3.3	4.4	3.5	4.2	3.6	2.5	4.7	3.3	3.5	2.9	3.3	3.5	3.9	3.3	4.0	4.0	3.9	1.5	3.7	2.3	4.4	2.5	1.4	3.4	3.9	2.6	2.6	1.5	1.8	3.4	2.9	2.1	3.5
RAI14	0.9	0.7	1.3	1.6	1.4	0.7	0.8	0.8	1.7	1.9	1.4	0.9	2.6	3.1	2.9	1.1	3.1	1.6	1.5	3.0	1.9	1.5	1.3	0.7	0.5	2.3	1.1	1.5	2.2	0.9	1.5	1.7	4.7	1.8	0.8	1.6	1.3	2.8	1.3	1.3
RAI2	9.1	10.1	7.3	9.4	13.7	9.4	10.0	10.5	9.7	9.5	7.7	9.8	9.3	16.0	15.8	11.1	12.6	9.1	8.8	8.9	10.6	9.0	9.4	8.4	5.7	10.5	13.1	12.2	6.6	10.0	10.5	10.0	14.6	11.9	8.5	13.3	10.7	16.9	17.4	8.2
RALA	6.9	5.4	5.9	5.9	7.2	5.7	4.6	5.8	6.7	4.6	5.6	6.1	7.5	8.3	7.1	5.6	4.7	7.0	6.0	9.1	6.7	6.7	7.9	7.1	4.4	5.3	7.9	6.0	5.0	6.7	4.9	6.9	7.0	7.1	6.1	5.5	7.0	5.3	6.0	9.9
RALB	14.0	16.4	12.3	14.4	16.0	14.9	14.2	15.3	19.6	13.1	15.3	14.4	17.1	18.2	20.6	17.0	15.7	15.2	16.2	18.5	18.7	15.0	14.5	16.2	9.6	13.9	14.8	14.4	12.7	14.5	12.7	16.8	22.6	18.2	15.6	14.0	19.2	17.4	18.3	16.8
RALBP1	12.5	10.8	8.9	12.8	13.9	12.2	11.8	13.0	14.0	12.2	11.8	10.6	16.5	17.5	14.4	12.6	16.4	12.7	11.1	12.8	12.4	11.2	12.7	12.5	10.9	12.4	14.1	12.6	11.7	11.9	9.2	11.7	16.9	16.2	11.1	13.4	13.9	13.8	15.2	13.6
RALGAPA1	2.4	1.8	2.2	2.1	2.1	1.7	1.6	2.1	3.1	2.3	2.5	1.6	1.9	2.4	1.9	1.7	2.1	2.0	2.6	3.1	2.2	1.9	2.1	1.9	1.7	2.3	2.0	2.0	1.7	1.6	1.9	2.1	3.2	2.4	2.1	2.4	2.9	1.8	1.7	2.6
RALGAPA2	2.5	2.2	2.3	2.9	2.7	2.2	1.8	2.4	2.9	2.3	2.0	1.8	1.9	3.0	2.3	2.1	2.5	2.5	2.2	2.4	2.5	2.0	2.1	2.0	1.4	1.9	2.0	2.4	1.4	2.1	2.6	3.0	5.5	2.4	2.1	2.8	3.4	3.2	2.5	2.4
RALGAPB	4.3	4.5	4.3	4.8	4.4	3.8	3.9	5.1	5.3	4.5	4.3	3.3	3.3	5.0	2.7	3.8	4.4	5.1	4.3	5.4	3.8	3.8	4.2	4.0	2.5	3.8	4.1	3.6	1.9	2.3	3.6	4.0	5.2	5.3	4.0	5.0	5.5	3.8	3.9	5.3
RALGDS	10.5	8.2	5.4	10.3	8.2	9.2	7.5	6.6	9.5	7.1	9.2	8.4	9.7	8.9	10.1	8.9	7.2	7.6	8.3	9.0	8.1	9.4	7.6	7.6	7.1	8.1	6.3	8.2	6.5	9.3	7.8	8.3	12.1	8.2	7.8	5.4	9.2	6.3	11.4	7.8
RALGPS1	4.4	3.5	3.2	3.1	3.9	3.4	2.4	4.5	3.6	3.8	3.4	3.2	3.3	3.9	1.9	3.3	3.2	4.0	3.5	3.8	2.9	4.2	3.8	3.7	2.8	3.2	2.5	4.2	2.3	2.3	3.7	3.3	1.9	3.8	3.7	3.4	5.2	2.6	3.4	3.7
RALY	27.9	31.0	21.4	31.0	31.9	33.1	24.3	33.4	36.8	33.1	33.0	34.5	30.3	34.5	38.5	32.0	30.5	28.7	32.2	33.3	32.4	30.5	33.1	43.1	26.3	33.9	32.3	31.6	25.4	31.9	29.4	39.9	35.9	32.3	32.4	31.9	31.7	31.5	31.9	33.2
RAMP1	50.8	43.9	44.6	72.7	138.5	35.4	35.6	53.2	39.8	38.2	51.4	88.2	50.0	110.7	47.2	45.6	79.1	46.1	45.6	36.2	25.9	42.3	18.1	46.6	35.3	33.7	44.4	39.7	40.1	70.1	39.0	36.1	33.9	57.3	40.4	28.7	47.2	37.7	28.8	29.5
RAMP2	23.1	14.4	10.3	16.3	22.3	16.8	14.5	18.1	28.8	20.8	20.4	21.0	20.5	15.5	34.3	15.4	18.2	17.5	23.5	18.4	21.3	16.2	17.2	19.5	12.7	18.5	15.1	16.7	17.3	16.5	26.1	20.5	30.0	13.1	16.1	13.5	13.1	12.1	11.7	17.0
RAMP3	11.1	10.6	10.7	17.0	16.2	7.7	9.2	8.9	14.0	13.6	15.9	13.9	22.5	8.3	19.8	9.5	16.1	9.6	15.7	9.4	18.7	7.2	13.0	9.1	5.8	11.5	9.2	11.4	9.6	12.5	16.1	19.3	15.8	10.0	9.3	6.0	10.6	9.7	12.2	8.7
RAN	53.1	49.5	51.1	50.5	63.7	42.4	50.5	49.3	56.8	62.4	55.2	56.3	62.3	77.7	65.7	55.7	61.4	55.5	54.6	57.2	67.7	52.0	53.7	53.6	46.4	56.0	59.2	59.4	52.5	67.5	53.7	70.2	81.1	79.1	60.7	65.4	73.7	71.2	66.2	49.1
RANBP1	7.2	7.5	10.2	11.5	9.9	8.6	7.5	10.4	10.2	7.4	9.8	8.4	11.1	9.2	13.7	7.5	9.7	7.5	9.0	10.3	7.4	7.8	9.5	10.3	7.9	10.0	10.5	11.7	9.3	9.0	7.4	9.7	12.1	10.4	11.8	9.3	9.3	9.0	8.8	10.6
RANBP10	2.6	2.7	1.8	2.1	3.1	2.5	1.7	2.5	3.6	3.4	3.4	4.0	3.3	3.8	4.3	3.1	2.9	3.7	3.5	3.9	3.2	2.8	3.1	3.9	2.6	3.2	3.8	3.4	2.7	2.4	3.4	2.9	5.2	4.1	3.1	3.2	3.4	3.0	3.2	2.7
RANBP2	7.3	6.4	6.7	6.2	6.1	5.6	5.1	6.7	8.1	6.0	6.2	5.1	6.2	6.6	4.1	5.8	7.0	6.3	6.3	7.9	5.7	5.7	6.4	6.2	4.3	5.9	5.7	5.2	3.4	4.8	5.0	5.5	7.1	8.2	6.3	7.0	7.9	5.6	5.4	6.8
RANBP3	8.5	8.7	7.2	10.0	10.3	9.1	8.7	9.0	10.0	7.4	8.2	8.5	9.0	9.9	11.1	8.8	7.8	8.2	7.3	9.5	8.2	7.9	8.2	9.7	7.3	8.1	9.5	10.7	7.5	8.4	8.3	9.1	10.1	8.8	8.7	7.8	9.1	8.4	9.0	9.2
RANBP6	5.1	4.0	5.7	4.4	4.7	3.6	3.8	5.1	5.0	3.8	4.3	3.8	3.9	5.5	2.5	4.5	3.4	4.5	3.6	4.2	4.2	3.8	5.0	4.0	2.7	2.5	3.0	4.1	1.9	2.3	4.1	4.2	2.5	4.1	3.6	4.8	4.9	3.4	3.2	5.2
RANBP9	8.4	8.2	8.7	8.1	9.6	8.4	7.4	8.8	10.0	9.5	9.5	9.2	9.5	11.5	12.0	9.9	8.9	8.0	7.6	11.1	9.2	8.9	9.7	8.8	7.8	9.5	8.5	10.9	7.9	8.4	6.5	9.7	13.7	11.1	8.5	9.1	10.9	9.1	10.9	9.5
RANGAP1	7.6	8.1	6.8	7.7	10.3	5.4	7.0	5.9	8.4	7.3	7.2	6.7	9.3	10.1	8.5	7.7	6.2	7.4	7.8	7.5	9.0	6.7	6.1	6.9	6.0	6.5	7.1	8.0	6.9	8.3	8.1	8.6	10.4	10.3	8.0	9.9	10.2	9.9	9.4	7.2
RANGRF	8.1	10.9	11.3	11.2	9.2	10.5	9.1	9.5	10.3	9.4	10.7	13.6	10.9	9.7	11.7	10.2	8.3	11.3	11.1	10.3	9.6	7.2	9.8	10.0	7.8	9.0	10.9	11.1	6.6	12.3	9.4	9.8	9.9	9.6	10.6	9.4	8.3	6.3	9.4	8.5
RAP1A	26.3	25.8	22.3	26.4	31.3	23.3	25.7	25.6	25.6	21.8	22.3	22.0	27.2	28.6	26.6	25.7	24.4	26.0	22.4	22.0	27.0	19.2	21.3	20.8	18.8	23.7	33.2	28.7	19.7	22.3	24.4	27.4	32.8	28.9	23.5	28.1	33.7	26.3	33.5	24.6
RAP1B	13.8	12.1	11.1	14.6	16.6	11.4	12.2	12.9	19.2	16.2	13.4	12.2	18.4	17.7	29.2	15.5	16.7	14.9	16.9	23.5	23.8	14.2	14.8	12.1	12.0	21.0	15.8	15.3	12.6	13.5	13.3	18.7	39.3	20.2	13.5	13.8	18.5	15.7	18.4	15.2
RAP1GAP2	8.0	6.9	4.9	7.0	13.7	7.2	7.1	9.7	10.7	7.4	8.2	7.3	5.1	7.5	5.0	8.9	5.5	7.1	7.3	7.4	6.2	6.0	7.7	7.9	7.9	7.1	9.0	6.6	4.3	4.6	5.9	5.5	4.2	9.0	7.5	6.9	11.6	7.0	9.6	7.8
RAP1GDS1	2.0	2.5	2.1	2.6	3.0	1.6	1.9	1.8	2.4	1.7	2.4	2.2	3.4	3.9	3.1	2.0	3.6	2.1	2.1	3.2	3.2	2.6	2.1	1.8	1.6	2.4	3.3	2.3	2.1	2.1	2.2	2.6	4.6	2.7	2.0	2.7	3.0	3.2	3.1	2.3
RAP2A	3.5	3.7	3.9	4.6	4.9	3.7	3.1	4.9	4.8	4.2	4.3	2.4	5.3	7.1	4.6	3.4	5.4	4.0	4.4	5.4	5.3	3.7	4.1	3.7	3.1	5.2	4.1	5.2	4.1	4.4	4.9	5.4	8.9	7.7	5.0	5.4	7.6	7.0	5.4	4.4
RAP2C	4.0	3.8	3.3	4.1	3.3	2.8	2.3	3.4	4.3	2.9	3.9	3.4	3.7	3.5	3.0	4.3	3.0	3.1	2.7	4.5	3.9	3.7	3.6	3.1	3.0	3.3	4.1	4.5	2.3	2.6	3.8	4.7	4.7	3.9	3.3	4.0	4.2	3.1	4.3	3.9
RAPGEF1	16.9	16.1	14.4	16.7	16.1	12.0	14.4	12.5	13.8	12.9	13.6	10.4	12.0	13.0	14.4	15.6	12.2	13.9	14.1	14.4	14.2	14.2	11.7	11.3	6.6	11.9	13.1	14.8	7.7	9.8	16.5	12.9	17.7	13.5	12.5	12.5	17.3	14.3	15.2	13.5
RAPGEF2	8.7	7.1	6.6	5.6	8.1	6.9	7.1	6.6	10.0	8.1	8.3	5.9	5.0	8.9	5.3	6.2	8.6	8.8	8.5	9.9	6.7	7.0	7.6	7.8	4.5	8.5	4.6	6.3	3.1	3.7	6.6	7.9	9.8	9.4	8.0	6.7	8.0	5.1	6.3	10.7
RAPGEF3	4.5	5.9	3.2	3.3	4.9	6.9	3.9	4.5	4.2	2.1	3.7	4.2	3.9	3.1	6.9	3.2	2.7	2.8	3.8	2.8	4.2	3.1	3.0	3.9	3.8	2.9	5.5	3.7	3.5	4.3	7.0	5.4	13.4	6.4	5.4	4.8	7.2	6.0	7.8	4.0
RAPGEF4	2.2	2.4	2.3	3.1	0.9	1.0	2.2	1.3	1.7	2.1	2.8	1.0	2.4	1.8	1.5	2.2	1.8	0.9	3.2	1.2	3.1	3.0	1.7	1.2	0.3	1.5	1.7	4.6	0.8	2.8	3.3	2.6	2.5	0.9	1.9	2.4	3.4	1.7	1.9	3.6
RAPGEF5	3.4	1.5	1.3	1.4	2.0	2.3	1.6	1.8	3.7	2.5	1.6	1.5	1.8	2.3	2.2	4.8	2.0	3.0	3.1	5.1	2.3	1.8	1.8	1.8	1.7	3.2	1.5	2.4	1.6	2.9	3.1	2.0	5.9	3.2	2.3	2.7	3.5	1.9	2.0	2.2
RAPH1	2.0	2.0	2.4	1.8	3.3	2.2	2.2	2.6	3.2	2.0	1.8	1.0	1.5	2.6	2.9	1.6	2.4	2.4	2.4	3.7	2.0	1.9	1.6	1.5	1.6	2.5	1.6	2.0	1.6	1.2	2.4	3.1	4.6	3.1	2.0	3.4	3.4	1.9	2.6	2.6
RARA	4.5	2.9	2.8	4.0	3.2	3.9	3.0	2.9	6.0	5.2	2.7	3.0	4.6	5.0	9.4	5.0	4.6	3.4	4.1	5.5	6.1	3.1	3.6	3.6	5.3	5.9	3.0	4.2	2.8	5.0	2.3	5.7	10.7	10.0	3.6	3.0	4.4	5.1	5.4	2.9
RARB	5.5	3.7	3.3	3.7	3.5	3.2	3.5	4.2	4.5	3.2	3.9	2.9	4.6	4.9	2.9	4.0	4.0	3.6	3.2	4.0	3.6	5.7	3.8	4.7	4.0	4.7	5.4	6.5	1.9	4.8	4.1	4.6	5.6	5.1	3.0	4.3	5.9	4.8	6.2	4.3
RARG	2.9	3.0	1.6	2.2	2.5	3.6	1.6	3.6	4.6	2.4	4.6	3.6	5.0	4.2	10.6	2.6	2.0	2.8	3.1	6.5	5.1	4.2	2.9	4.9	2.3	4.4	2.3	2.7	4.0	2.7	3.2	2.6	3.5	3.8	3.0	2.1	2.6	1.8	1.8	5.0
RARRES1	2.0	2.4	3.0	17.5	0.7	3.4	6.2	2.8	0.9	0.4	0.5	0.4	2.6	2.5	5.9	0.7	0.8	1.3	1.1	3.2	3.5	0.6	0.4	0.3	0.4	1.6	0.8	0.3	4.7	1.4	0.1	0.6	2.2	1.0	0.7	0.5	0.6	0.7	0.6	0.8
RARRES2	3.0	4.3	2.7	5.2	7.8	4.3	5.8	3.6	9.3	2.6	3.8	3.7	47.5	14.2	34.6	2.9	7.5	5.5	3.7	14.4	16.7	3.5	4.7	2.2	10.5	11.6	3.1	5.5	27.6	10.2	3.7	5.2	61.6	9.2	5.2	3.0	5.9	5.0	9.3	3.8
RARRES3	1.3	2.1	1.8	8.2	5.1	1.8	1.2	2.8	5.7	1.9	3.6	2.6	8.5	1.6	6.5	1.5	3.6	1.5	2.9	3.6	4.0	3.3	2.8	4.1	4.0	2.9	3.6	1.9	7.1	4.3	3.4	3.3	8.6	2.3	3.3	1.5	3.9	1.3	2.7	3.1
RARS	10.9	12.0	10.8	13.3	12.6	11.3	10.7	12.9	14.8	13.1	12.6	13.2	14.7	16.0	12.8	11.8	13.3	13.0	10.5	13.1	13.2	12.1	13.9	13.9	8.2	13.1	14.3	13.9	10.6	13.8	11.3	12.1	16.2	14.4	10.9	14.7	13.1	11.7	12.8	13.4
RARS2	6.4	8.6	6.4	9.7	8.3	8.3	7.2	6.8	7.5	6.2	8.4	8.7	10.0	9.2	12.2	7.7	8.7	7.9	7.3	8.9	9.7	8.3	8.5	7.2	5.9	8.1	10.1	9.1	6.6	8.1	6.3	8.1	11.7	8.0	7.4	8.0	9.6	7.4	8.9	8.2
RASA1	5.2	5.1	4.6	3.8	5.9	4.6	3.7	5.0	7.1	4.8	5.6	3.9	5.7	5.7	5.2	4.3	5.0	5.7	4.5	7.5	5.7	4.8	5.0	4.9	5.4	5.4	5.5	5.6	3.5	4.3	4.5	4.5	8.7	5.9	4.2	5.0	6.0	5.1	5.5	5.8
RASA3	2.7	3.0	2.2	4.1	3.5	3.2	2.5	3.1	4.4	2.2	3.9	2.7	3.4	3.9	6.8	3.3	3.1	2.6	3.3	4.7	6.1	3.3	2.9	2.4	2.2	3.9	2.6	3.6	4.0	4.3	2.5	3.8	7.0	2.8	3.0	2.4	2.6	3.0	3.3	3.2
RASA4	2.0	2.8	1.7	1.6	2.7	1.4	3.0	3.1	4.4	4.7	4.9	2.9	6.0	6.2	10.4	6.9	4.3	4.1	6.3	5.8	3.9	2.6	4.6	3.2	1.6	4.6	4.6	1.6	2.7	3.3	4.6	5.3	11.2	4.6	2.1	3.6	2.4	3.0	3.3	6.2
RASAL2	4.9	4.5	4.7	5.0	4.7	3.6	3.6	3.9	6.6	4.3	4.7	3.7	3.6	5.6	3.3	3.6	6.1	5.3	6.1	5.6	4.3	4.5	7.5	3.9	5.1	4.4	7.2	5.6	2.4	2.7	5.1	6.3	9.0	8.2	6.4	12.6	9.9	5.9	7.0	7.1
RASD1	2.1	1.7	4.4	11.8	1.8	9.3	3.6	1.9	1.6	1.9	1.6	1.4	3.2	6.6	3.6	2.7	9.9	2.1	2.1	1.9	7.5	1.8	0.6	0.8	41.4	179.1	19.1	21.7	47.9	144.3	44.0	41.5	42.0	118.8	105.1	26.6	140.1	15.8	10.9	14.2
RASGRP2	5.0	6.1	5.3	5.0	6.4	5.8	8.0	5.0	5.9	2.9	4.8	3.3	4.9	4.7	6.0	5.0	2.7	3.2	4.0	5.2	5.0	5.3	4.0	3.9	4.4	3.6	5.6	4.8	3.7	5.5	7.4	5.9	15.2	4.6	5.9	5.8	7.0	3.9	7.6	5.3
RASGRP3	9.5	7.0	7.5	6.3	7.5	6.1	7.1	7.1	6.9	7.0	7.5	10.8	6.8	6.3	4.5	6.5	5.2	7.2	7.1	7.4	7.3	7.2	8.1	9.6	3.8	6.2	4.9	7.2	4.0	4.4	6.9	6.2	4.5	4.2	6.9	5.5	6.5	4.6	6.1	11.1
RASIP1	6.6	4.1	3.8	4.8	5.5	4.4	3.9	4.0	6.5	5.0	4.0	4.9	5.7	5.4	9.0	10.6	3.7	6.3	7.5	7.9	6.5	4.7	3.5	4.0	5.7	6.8	5.7	7.1	3.4	14.0	6.3	7.4	17.5	7.9	4.5	5.6	7.7	5.7	6.1	4.3
RASL10B	4.1	7.4	4.5	11.5	5.9	6.9	5.3	4.6	3.2	3.2	2.9	2.9	3.3	3.7	2.8	4.2	3.3	3.2	2.3	6.7	2.3	3.5	2.6	3.4	3.9	4.1	2.9	2.2	2.4	2.2	1.4	2.5	4.6	4.2	3.3	3.4	2.7	2.5	5.1	2.3
RASL11A	2.2	1.5	1.5	2.6	2.6	2.1	3.2	1.9	2.5	1.1	1.6	1.5	2.8	1.2	6.6	2.1	2.0	1.9	1.7	3.1	2.8	2.9	1.8	1.4	2.4	1.8	1.4	2.1	3.7	2.8	1.2	1.7	10.7	2.2	2.2	2.7	1.7	2.1	3.7	1.8
RASL11B	0.9	3.1	0.7	0.2	1.7	1.4	0.4	2.5	4.9	1.3	0.9	2.9	2.4	9.6	9.9	1.3	2.8	2.5	1.4	7.0	2.3	1.8	1.5	8.3	2.3	4.3	1.2	2.3	5.6	2.0	3.4	7.0	1.7	5.9	2.5	3.5	2.7	3.8	1.8	2.0
RASL12	5.2	5.6	4.0	7.6	6.2	6.1	4.0	4.9	3.9	3.2	3.6	4.3	3.8	5.4	8.6	2.7	3.3	3.7	3.8	5.8	5.9	3.0	3.7	3.6	3.7	3.6	3.0	3.7	3.4	3.7	4.8	5.1	5.4	5.0	6.3	4.1	6.4	4.9	5.2	4.1
RASSF1	7.2	5.0	5.1	4.4	7.6	8.9	4.3	5.1	8.3	5.8	5.0	7.2	9.6	7.3	12.2	9.1	5.9	7.8	8.3	12.5	9.4	8.1	5.1	5.4	9.3	15.6	9.1	8.4	6.6	15.3	7.6	10.6	20.9	11.9	8.2	8.0	9.1	9.4	9.0	7.0
RASSF2	0.9	0.8	1.0	0.7	1.6	1.2	1.7	1.4	1.4	0.9	0.6	0.3	1.7	0.7	3.2	1.0	1.1	1.0	1.1	3.2	1.2	0.7	0.4	0.4	0.6	1.8	0.3	1.0	0.8	0.9	0.4	1.1	7.2	2.4	0.9	1.2	2.9	0.9	1.1	1.2
RASSF3	19.5	12.0	8.6	10.7	17.0	9.6	12.0	15.5	14.9	13.9	13.9	12.1	18.5	19.7	15.0	12.5	19.0	17.7	13.7	16.9	11.8	12.6	11.2	10.0	7.4	13.0	11.9	10.4	12.5	5.2	8.6	9.7	14.5	19.9	15.6	10.5	14.4	11.6	9.3	15.7
RASSF4	21.2	27.4	23.7	21.0	31.7	21.3	23.5	28.1	27.7	21.3	24.1	24.6	30.9	30.1	20.6	27.7	22.8	21.0	21.1	25.1	29.5	26.1	27.6	26.4	23.5	19.9	36.9	35.0	22.0	36.1	24.3	29.2	34.5	24.4	19.5	32.4	25.0	36.6	51.8	29.5
RASSF5	1.2	0.8	1.0	2.7	2.9	1.9	2.3	1.3	2.5	1.2	1.6	1.7	3.5	1.3	2.7	2.2	1.7	2.4	1.7	1.9	2.2	1.4	1.8	1.6	2.0	1.5	1.8	2.1	1.8	1.7	1.8	2.3	5.7	2.6	0.8	1.2	2.8	1.6	2.6	1.8
RASSF8	2.9	3.1	2.7	3.1	3.8	3.6	2.2	3.8	4.0	2.6	2.8	2.7	2.5	4.2	3.4	2.7	2.9	4.1	2.8	5.4	3.3	2.2	3.0	3.2	2.7	3.4	2.7	2.5	2.0	1.7	2.5	3.4	5.1	4.7	2.7	3.2	3.8	2.9	2.8	3.2
RAVER1	3.4	3.1	2.5	3.9	4.2	3.5	2.2	3.3	4.3	3.3	3.5	3.5	3.4	4.3	5.1	3.8	3.4	3.3	3.6	3.9	4.3	3.0	3.3	3.6	3.4	4.0	4.5	3.9	2.9	3.8	3.0	4.0	6.0	5.1	3.5	3.7	4.2	4.0	4.3	3.1
RAVER2	6.7	5.7	5.6	6.1	6.0	5.1	5.8	6.7	5.0	5.0	5.6	2.4	5.6	4.5	4.3	4.9	3.2	4.9	5.0	5.6	4.4	5.3	5.3	4.5	3.8	5.3	5.5	4.7	4.1	4.1	5.7	4.5	2.8	4.4	5.6	4.5	6.1	3.5	4.8	6.6
RB1	5.6	6.2	5.4	5.5	6.9	5.3	4.7	6.6	6.8	5.5	5.8	4.6	6.6	7.2	4.4	5.8	5.3	6.8	5.8	7.4	6.0	4.8	6.2	5.1	3.4	4.4	5.6	5.5	2.7	3.7	5.2	5.7	7.8	7.9	6.2	6.5	6.6	4.5	5.7	7.0
RB1CC1	12.7	10.4	11.2	8.8	10.1	7.4	7.5	7.9	11.3	11.0	10.1	7.7	7.0	8.4	4.2	9.6	9.7	9.4	10.2	10.1	7.9	8.7	11.1	8.2	6.3	7.4	9.7	9.1	3.7	5.1	6.3	9.1	8.6	9.5	9.4	10.2	9.6	7.6	9.9	11.4
RBBP4	6.4	7.1	6.6	6.8	7.3	5.9	5.7	6.1	7.5	5.9	6.6	6.9	6.2	6.5	7.4	6.8	6.5	7.1	6.3	8.4	6.7	6.8	7.1	6.9	5.6	6.5	7.2	7.3	4.5	6.1	5.8	7.0	8.6	7.5	7.7	5.9	7.8	5.9	7.9	7.7
RBBP6	5.9	6.4	5.7	5.3	7.7	5.4	4.9	6.6	7.4	6.1	6.4	6.7	5.9	5.6	6.3	5.6	7.1	6.4	5.9	7.8	5.7	7.3	6.3	6.0	8.2	7.5	6.3	6.4	4.7	7.8	6.6	6.6	11.2	12.3	9.4	6.8	10.2	6.3	8.8	7.6
RBBP7	36.6	33.4	30.9	31.0	43.1	30.9	31.1	31.6	33.6	27.5	39.0	35.7	38.5	39.0	34.9	34.2	38.0	34.0	31.0	35.7	37.6	36.1	35.3	30.0	28.1	29.6	36.0	36.0	25.5	38.9	30.2	34.6	29.6	37.8	34.9	33.0	40.9	32.2	36.3	33.2
RBCK1	9.4	11.4	8.2	10.9	13.3	14.2	8.8	11.6	13.8	12.5	11.0	14.1	21.2	13.3	18.3	11.1	11.4	11.4	12.4	15.6	14.0	12.8	11.8	13.9	10.5	9.9	12.2	12.6	11.2	13.2	12.5	12.3	14.1	13.7	11.5	12.0	14.1	12.0	11.9	10.8
RBFOX1	13.7	10.8	9.3	12.2	10.8	10.8	10.1	14.1	10.4	8.0	11.1	10.3	8.7	6.1	6.3	10.4	5.2	8.6	9.4	8.1	9.0	10.7	10.5	10.2	10.1	6.7	13.1	9.6	4.7	7.6	8.4	7.5	4.2	6.8	16.2	6.7	10.1	4.4	7.7	13.0
RBFOX2	13.6	14.4	9.9	9.8	15.5	11.8	11.6	12.3	16.3	14.2	15.2	13.5	12.4	16.4	14.6	11.6	12.0	14.1	13.3	15.8	14.3	13.3	16.1	12.5	10.0	15.5	12.2	13.7	10.5	8.6	13.9	12.7	11.0	12.8	12.3	10.8	14.6	12.2	13.7	15.3
RBL2	10.8	12.7	10.4	10.1	12.5	12.6	9.7	10.4	12.9	10.8	11.2	10.5	14.0	13.4	11.8	10.9	12.3	13.2	9.3	17.5	12.3	10.6	9.8	9.4	6.9	10.5	12.1	9.9	6.9	8.6	9.5	9.0	20.4	13.3	9.2	12.4	14.1	9.0	13.6	11.6
RBM10	9.0	8.8	9.2	10.3	9.1	8.1	7.1	8.3	8.6	9.7	9.3	10.3	10.9	9.8	11.3	7.9	9.4	8.4	8.6	9.7	10.0	8.9	10.4	10.6	7.1	11.2	11.1	12.1	8.7	10.1	9.9	9.4	13.8	10.9	10.8	9.2	12.5	10.5	10.4	8.9
RBM12	4.6	4.2	6.0	5.3	4.7	4.4	4.4	4.0	5.5	3.7	4.4	3.8	3.5	4.5	4.1	4.4	4.0	5.0	4.1	5.3	4.4	4.7	4.7	4.2	3.5	5.7	5.2	4.4	3.2	3.9	4.4	4.9	6.6	6.4	5.3	5.0	5.8	4.4	4.4	5.2
RBM14	4.0	2.7	2.3	3.1	3.7	3.2	2.2	2.5	3.3	3.3	2.9	3.4	3.2	2.8	3.9	2.9	2.8	3.1	4.0	4.2	3.8	3.3	3.6	3.7	3.4	4.3	3.7	4.0	3.1	3.2	4.0	3.4	6.5	5.6	5.4	3.3	4.4	3.4	4.1	3.0
RBM15B	3.1	3.7	3.1	3.6	4.0	3.7	3.1	3.8	5.1	3.8	4.1	3.9	3.7	5.2	5.7	3.8	4.8	3.6	3.2	4.7	4.4	3.7	4.0	4.0	3.7	3.9	4.8	4.3	2.9	3.5	2.8	4.4	6.0	5.1	4.3	4.4	4.5	3.9	4.2	4.4
RBM17	15.2	16.1	15.3	15.0	15.9	12.6	14.0	14.1	14.6	11.9	12.0	11.5	15.7	14.1	15.5	12.8	13.5	15.6	12.8	15.7	14.8	12.4	14.1	13.3	11.4	11.8	14.7	14.5	11.2	14.0	12.1	14.5	19.8	15.5	13.6	14.6	16.0	13.4	17.2	15.8
RBM18	7.6	8.6	7.1	8.8	10.7	8.1	7.5	8.2	9.2	8.6	8.2	8.5	9.8	10.7	7.5	10.0	8.2	10.0	8.0	10.6	8.8	7.8	9.0	9.2	6.9	7.4	9.8	9.9	6.0	6.2	6.0	10.0	8.3	11.5	8.0	9.2	10.5	8.5	9.4	8.6
RBM19	2.9	4.1	3.5	4.6	4.4	3.5	3.3	3.5	4.0	3.7	3.7	4.0	4.3	2.8	4.7	3.5	3.8	4.1	3.4	4.2	3.3	4.0	3.1	4.5	3.7	4.6	4.7	4.5	3.6	2.6	3.3	4.5	6.5	4.0	4.6	4.2	4.1	4.2	4.8	4.8
RBM20	22.4	33.9	24.0	11.9	26.7	21.5	21.2	20.7	23.7	19.7	27.6	24.6	17.5	22.0	15.5	22.7	21.5	25.9	24.3	24.5	21.2	27.4	32.5	27.7	16.0	23.4	29.0	33.1	10.6	15.1	24.1	22.2	15.2	19.3	28.8	21.7	21.6	17.5	29.8	33.4
RBM22	6.4	8.5	7.1	8.3	7.4	8.2	6.9	7.1	8.4	8.2	7.6	8.8	9.5	10.5	12.0	7.4	9.6	9.4	8.4	10.2	9.0	7.4	7.2	8.5	6.5	9.2	11.0	10.3	7.3	9.9	7.9	8.6	13.9	10.2	8.4	9.6	9.8	9.2	9.5	8.9
RBM23	7.8	7.5	6.9	8.5	10.4	8.6	7.3	8.4	9.4	8.2	8.1	7.6	11.6	11.4	10.8	9.7	9.1	9.8	8.5	11.6	9.1	8.6	9.4	8.6	6.4	7.6	9.9	9.7	5.9	9.4	7.0	8.2	15.6	12.6	10.9	10.1	11.8	8.9	12.4	7.6
RBM24	44.1	46.3	44.0	25.6	60.3	45.2	36.0	52.0	40.9	77.3	67.1	70.1	45.5	48.9	39.0	52.3	60.3	61.7	52.7	46.2	42.7	50.9	61.9	57.2	29.5	68.7	52.0	47.7	19.2	38.9	39.7	48.3	48.8	38.4	68.9	37.8	44.1	39.5	27.0	48.0
RBM25	8.3	9.5	8.7	9.9	10.4	10.0	9.6	9.5	13.1	8.7	10.7	9.2	10.2	10.8	11.0	8.9	10.4	9.6	9.6	14.3	10.2	9.4	9.1	9.5	9.6	11.2	10.5	10.8	7.4	9.3	10.1	10.0	17.5	13.6	10.2	11.4	12.7	8.3	11.0	12.5
RBM26	3.6	4.8	4.3	3.7	3.6	3.7	3.2	5.3	5.8	4.9	4.7	4.5	4.3	5.5	4.9	4.2	4.7	5.2	4.7	6.6	4.9	4.5	5.1	5.3	3.5	4.2	4.0	4.7	3.3	3.9	4.2	4.7	7.6	6.4	3.3	5.0	5.9	4.4	4.3	5.9
RBM27	2.6	3.0	2.2	2.3	2.4	2.8	2.2	3.3	3.2	2.9	3.1	2.4	2.8	3.1	2.3	3.0	3.2	3.6	2.9	4.2	2.7	2.4	3.4	2.8	1.8	2.7	2.9	2.4	1.8	1.9	2.6	2.8	3.7	3.5	1.7	3.5	3.3	2.6	3.1	3.8
RBM28	7.3	8.9	7.0	7.7	9.7	7.0	7.2	9.2	8.7	7.5	7.6	5.9	7.8	8.1	5.4	7.4	6.5	7.5	8.5	8.4	6.9	6.3	6.5	6.6	7.8	9.3	8.8	8.1	6.2	9.7	9.2	7.1	8.8	11.0	10.6	9.9	10.0	7.2	8.9	9.1
RBM3	25.7	26.1	27.6	25.5	44.9	18.8	28.6	22.2	24.1	11.0	27.0	37.7	14.1	19.1	38.7	21.5	24.0	16.9	16.4	31.9	22.8	20.6	20.5	21.2	19.8	20.1	26.7	18.2	17.0	24.5	19.8	23.3	37.0	24.8	17.5	25.3	19.3	26.4	26.8	22.1
RBM33	3.3	4.7	2.9	3.7	5.3	4.5	3.3	4.0	4.9	3.7	4.3	4.4	4.3	4.5	4.5	4.2	3.9	4.1	3.7	6.3	4.6	3.9	4.0	3.9	5.0	4.7	5.3	4.2	3.3	2.8	4.0	4.1	7.6	5.5	3.3	5.3	5.1	3.7	6.4	5.1
RBM34	7.2	8.1	8.5	7.0	7.7	7.5	6.5	7.0	8.4	7.7	6.7	7.8	8.8	9.3	9.3	7.4	8.9	8.4	6.6	8.4	8.0	7.8	8.7	8.5	7.0	6.7	7.3	7.6	6.3	7.9	7.0	7.3	10.4	9.0	6.0	7.5	8.1	7.1	9.7	9.8
RBM38	17.7	15.9	12.0	15.4	23.3	18.8	13.8	15.4	18.8	18.9	16.8	14.1	15.6	21.0	13.8	19.4	13.0	13.0	16.1	16.0	15.7	13.9	14.4	17.2	9.7	13.6	10.5	14.2	12.5	10.5	10.5	15.3	10.5	13.7	13.0	9.2	14.2	12.8	7.2	14.0
RBM39	26.1	28.2	24.5	28.0	32.5	24.1	24.8	27.5	34.6	33.2	25.8	30.2	35.3	36.1	38.8	30.1	29.1	33.0	30.7	38.7	34.3	26.4	29.9	29.8	34.6	40.6	39.7	33.7	24.9	37.4	34.2	33.4	67.1	46.0	39.1	40.3	44.4	27.4	40.4	31.3
RBM4	12.2	13.6	11.7	16.7	12.5	13.0	11.2	11.0	14.9	13.7	14.1	12.9	14.0	15.3	15.7	13.8	13.3	11.7	13.6	16.3	14.7	11.7	13.0	13.0	14.0	15.1	14.5	14.9	11.9	13.7	14.1	14.5	23.3	19.2	17.2	13.9	15.8	13.3	20.6	13.8
RBM42	8.5	10.1	7.9	11.5	9.9	9.3	8.3	8.4	11.7	9.5	11.4	12.2	12.3	11.4	14.4	10.1	10.9	8.8	10.6	10.3	13.2	10.3	11.8	9.6	9.9	10.0	11.2	10.8	10.3	14.0	12.1	12.9	14.0	11.4	10.8	10.9	11.2	12.0	11.6	9.5
RBM4B	3.6	3.3	2.9	3.2	3.2	3.1	3.0	3.4	5.0	4.4	3.5	3.6	4.5	5.5	5.8	3.2	3.7	4.7	4.1	6.0	4.5	4.0	3.4	3.5	3.8	2.6	4.3	4.5	3.5	2.9	3.8	3.7	5.3	4.7	4.8	3.5	4.8	2.1	3.8	4.6
RBM5	17.8	17.8	15.9	14.9	20.3	18.1	14.3	14.9	21.5	17.0	19.7	19.4	21.1	18.5	24.1	17.9	16.6	20.6	19.8	26.1	20.3	18.6	17.9	19.2	21.5	21.6	19.7	17.7	15.8	21.1	20.8	20.0	39.5	25.0	24.7	20.7	25.3	16.5	23.2	17.2
RBM6	22.8	20.7	18.9	19.4	22.0	22.3	14.9	22.2	21.5	16.5	13.9	19.1	22.7	23.2	24.9	18.4	16.4	23.8	21.4	22.5	19.0	22.0	20.1	22.7	21.4	23.3	19.9	25.3	20.9	26.3	20.7	19.9	44.6	31.0	30.9	20.5	25.2	24.8	33.4	27.8
RBM7	4.2	4.5	4.7	5.3	4.4	4.4	3.2	5.0	6.3	5.4	3.3	5.0	5.7	5.9	5.8	5.6	4.6	5.2	3.7	6.2	7.0	5.3	5.4	5.0	5.0	5.5	6.8	5.3	4.0	4.6	4.0	4.0	8.7	6.8	5.1	5.8	6.4	4.6	6.6	5.4
RBM8A	5.0	6.0	5.9	6.7	5.2	5.6	5.4	5.3	7.5	6.8	6.8	6.4	5.8	6.7	7.8	6.1	6.2	6.2	6.3	6.2	6.3	5.4	6.6	5.5	5.4	6.4	7.6	6.6	4.3	6.8	6.2	6.8	10.4	8.1	7.3	6.1	7.2	7.5	8.7	5.5
RBMS1	9.5	9.9	9.4	11.2	12.2	8.7	9.2	9.6	12.7	10.6	11.5	9.1	10.9	11.3	11.7	10.7	11.6	11.3	10.6	14.9	11.8	10.1	10.7	10.0	8.2	13.8	10.6	10.4	7.6	9.6	9.0	12.1	17.5	12.8	8.8	11.3	11.5	10.1	12.4	11.8
RBMS2	4.3	3.9	3.4	2.8	4.0	3.9	3.3	3.5	4.7	3.6	3.7	3.6	4.6	4.5	4.9	4.5	4.0	4.8	4.7	5.3	4.7	4.1	4.1	4.2	3.1	5.4	4.5	3.5	3.4	3.7	3.9	3.5	7.3	5.6	4.6	4.5	5.2	3.5	5.5	4.0
RBMS3	1.7	2.1	1.2	2.2	3.0	2.0	1.8	1.9	2.5	1.8	1.6	1.8	3.0	2.9	3.9	2.1	2.5	2.3	1.8	5.2	3.2	2.2	1.9	1.5	2.3	3.5	2.5	1.9	2.3	1.9	2.0	1.8	5.3	4.0	1.9	3.3	3.3	3.0	4.0	1.8
RBMX	34.4	30.4	23.2	29.3	34.7	31.6	24.9	29.0	36.7	31.2	34.7	29.2	37.6	32.0	40.3	34.0	32.1	36.3	32.0	43.9	35.5	31.1	36.5	33.9	31.2	35.8	36.1	30.8	24.2	37.8	29.4	34.0	61.5	40.4	45.5	36.4	32.5	28.1	39.8	37.4
RBMX2	3.7	3.9	3.6	4.5	3.8	4.7	3.9	3.0	4.9	3.7	5.1	4.9	4.1	4.1	6.0	4.7	4.1	3.5	3.3	5.2	4.6	3.2	4.2	4.6	4.7	6.2	6.3	4.4	3.6	5.4	3.9	4.1	7.0	5.1	5.2	4.4	5.7	3.8	4.7	4.6
RBMXL1	2.4	2.6	1.8	1.8	1.9	2.6	2.2	2.2	2.6	2.0	2.4	1.6	2.2	2.3	1.6	2.0	2.0	2.3	2.2	2.6	2.1	2.4	1.9	1.9	1.5	2.0	2.3	2.4	1.2	1.2	1.9	1.7	3.5	3.1	2.0	2.9	3.5	2.0	2.6	2.4
RBP1	5.1	4.8	4.3	4.8	5.1	6.9	4.7	5.4	4.4	2.4	5.6	4.3	5.9	3.7	8.9	3.6	1.3	4.1	2.6	8.4	4.2	5.4	5.2	3.0	5.0	3.0	7.5	4.6	3.5	8.6	4.4	4.2	6.2	3.9	3.6	2.4	3.2	2.2	5.0	3.2
RBP4	0.4	0.8	0.5	0.1	0.4	0.1	0.1	0.6	1.8	1.4	3.5	0.4	3.7	3.3	4.4	0.3	12.2	0.4	2.2	0.0	104.9	0.9	1.6	0.2	0.1	0.1	0.3	0.3	0.2	1.1	0.1	0.7	10.7	0.1	0.0	0.2	1.0	2.6	2.4	0.3
RBP7	12.5	15.0	8.5	12.1	16.0	12.3	12.5	10.4	14.0	18.8	9.1	17.0	17.2	18.6	21.5	12.1	18.3	23.2	15.7	16.5	12.2	13.2	20.8	11.4	12.5	23.1	11.6	17.8	14.5	16.5	20.9	18.1	46.1	15.6	12.4	13.3	14.6	11.8	12.0	16.7
RBPJ	6.9	5.6	6.5	5.5	5.9	5.7	5.4	7.1	8.4	5.8	5.6	3.5	4.8	4.8	4.8	5.3	5.5	6.3	7.2	9.2	5.8	5.2	5.8	5.3	3.9	5.6	5.4	4.6	2.8	3.8	4.4	3.6	8.9	6.9	4.0	7.1	6.5	4.9	5.6	8.7
RBPMS	30.4	42.0	27.1	45.1	42.8	31.4	29.9	33.0	31.2	32.6	32.6	28.0	31.6	40.2	44.6	34.9	44.5	34.7	30.3	28.1	35.8	35.1	37.2	36.0	32.3	39.1	50.0	47.4	28.8	40.3	44.4	46.1	51.8	40.7	35.5	36.6	44.4	41.2	47.4	34.5
RBPMS2	62.6	56.1	64.3	65.2	99.9	61.3	57.9	71.1	61.2	55.4	52.7	60.0	48.2	67.7	49.3	62.0	61.2	54.1	49.2	49.8	46.4	53.0	47.1	66.5	48.6	46.3	60.6	58.7	45.5	48.1	63.1	66.5	31.4	56.0	52.6	69.9	67.1	70.0	57.2	55.3
RBX1	17.8	21.2	19.2	20.5	25.2	20.0	22.7	20.0	21.7	18.1	23.3	24.0	28.6	26.9	21.5	20.1	18.0	20.2	18.2	22.3	24.0	22.5	19.4	17.4	19.5	19.0	23.0	26.3	19.0	32.5	32.7	23.2	20.7	24.8	24.4	22.0	28.8	19.6	21.9	19.8
RC3H2	2.6	2.0	3.4	2.2	2.2	2.1	2.1	3.3	4.4	2.3	2.9	1.7	1.5	3.1	1.2	2.2	3.4	3.2	4.0	4.2	2.1	2.2	2.6	2.0	1.8	2.2	1.4	1.5	0.7	1.1	1.4	1.6	2.5	3.4	2.5	3.9	3.7	2.3	1.5	3.6
RCAN1	10.5	19.6	18.5	9.8	18.7	25.2	14.3	24.9	20.1	22.8	15.2	51.6	18.6	20.3	16.2	11.4	27.7	36.6	30.3	17.3	13.6	10.1	19.2	20.5	13.3	39.8	17.8	14.1	18.9	22.5	16.6	30.0	42.2	38.0	33.7	30.6	23.8	34.4	20.7	17.7
RCAN2	74.5	82.6	63.0	101.5	107.5	83.8	69.1	83.2	78.8	70.0	74.2	67.9	75.9	100.9	77.7	88.2	83.8	88.1	81.6	71.5	70.8	80.4	74.3	74.0	66.2	76.7	112.0	100.0	58.6	82.7	69.2	89.4	60.7	96.5	90.3	88.3	106.7	99.0	111.5	82.9
RCBTB1	5.1	4.6	4.2	4.1	5.8	3.8	10.8	5.3	5.2	4.1	5.1	4.8	5.3	4.4	4.1	4.7	4.0	5.3	4.2	6.1	4.3	5.8	5.4	5.7	3.9	4.1	5.2	5.4	3.2	2.9	4.7	5.6	5.3	5.1	5.5	5.9	5.1	5.1	6.0	7.1
RCBTB2	4.5	3.5	2.8	2.5	3.9	3.4	2.5	3.5	3.4	3.3	3.7	2.8	4.5	3.7	6.0	2.6	2.9	4.0	3.9	6.2	3.9	3.2	3.2	3.4	2.4	2.8	3.5	3.7	2.5	3.5	3.0	3.5	4.9	3.8	3.4	2.6	3.6	2.9	3.2	3.4
RCC2	2.4	2.3	2.1	2.5	3.3	2.4	1.8	2.4	3.6	2.9	3.0	3.0	4.0	3.7	4.8	2.9	3.5	3.5	3.5	4.4	4.7	2.1	2.9	2.5	3.1	3.4	2.9	3.5	3.3	2.5	2.9	4.0	8.5	5.0	3.1	2.9	4.0	4.4	3.0	2.3
RCE1	1.0	1.6	1.2	1.6	2.2	1.6	1.1	1.5	2.3	1.6	0.9	1.9	2.0	1.8	3.6	1.5	1.4	2.3	1.8	2.9	3.2	1.6	1.6	1.3	1.8	1.8	2.1	2.1	2.3	3.0	1.6	2.1	3.7	3.0	2.9	1.8	2.0	1.9	2.3	1.5
RCHY1	3.1	3.5	3.4	3.0	3.2	2.6	2.6	2.8	3.7	3.3	4.8	3.5	2.7	3.3	2.6	2.9	2.3	2.9	3.5	4.5	3.6	3.1	3.8	3.4	2.3	3.5	3.8	3.4	2.0	2.7	3.2	3.4	2.6	3.0	3.6	3.5	3.4	2.8	3.6	3.2
RCN1	10.6	11.2	7.6	13.1	16.6	12.8	7.1	12.7	13.3	10.3	10.3	10.4	17.6	13.8	25.8	8.6	13.1	11.9	13.9	15.7	19.5	13.1	10.5	10.9	7.4	15.8	9.3	9.4	12.1	11.4	10.7	15.1	24.2	14.7	11.8	10.4	15.5	16.2	14.2	11.4
RCN2	9.2	11.2	11.5	9.3	12.1	9.9	8.4	11.4	13.0	10.8	11.2	10.2	15.3	14.6	13.0	13.5	9.4	10.8	9.4	12.7	12.0	12.1	12.2	9.4	8.2	9.5	9.3	10.7	7.8	11.7	8.7	11.7	9.8	12.1	10.1	9.8	13.3	10.5	12.3	10.6
RCN3	1.6	2.1	1.7	3.7	5.5	3.2	3.4	4.4	7.1	5.0	3.7	3.6	8.4	8.1	19.3	3.6	5.3	4.1	5.2	8.2	10.8	4.2	3.6	3.4	4.8	10.9	2.2	4.4	11.4	4.6	2.6	7.9	11.2	8.8	2.7	5.9	7.0	6.4	4.3	3.6
RCOR1	2.7	2.8	2.7	2.7	2.9	2.9	2.0	3.2	3.5	2.9	2.9	2.5	2.0	3.8	2.4	3.2	2.4	3.3	2.7	3.3	2.4	2.7	3.0	3.1	2.6	3.3	2.6	3.3	1.7	2.3	2.5	3.1	4.7	4.6	3.0	3.7	3.9	2.8	3.2	3.9
RCOR3	9.0	9.9	9.5	9.6	9.8	7.1	6.4	8.5	10.6	8.6	9.4	10.1	11.0	11.4	8.5	8.7	8.9	9.0	9.0	11.5	8.9	9.3	10.4	9.4	7.4	9.6	10.2	9.4	7.2	7.3	10.0	8.4	9.1	8.4	8.1	7.9	9.2	8.4	8.0	11.4
RCSD1	12.6	11.6	10.9	8.9	17.6	14.4	14.2	16.2	12.4	7.3	12.1	8.8	12.9	9.3	9.5	11.7	8.9	11.4	10.8	11.9	9.3	10.5	10.6	10.6	6.9	11.1	10.1	10.2	7.4	11.5	10.6	9.6	18.5	14.7	13.0	12.1	13.8	10.3	9.8	12.6
RDBP	8.1	8.6	8.5	11.3	8.9	7.8	7.9	8.0	10.7	10.7	9.6	11.0	10.3	12.3	14.5	9.3	12.5	10.1	9.4	10.0	10.2	9.8	10.5	11.0	9.3	10.0	11.7	12.6	9.2	11.9	9.5	10.2	14.6	10.8	11.5	8.4	10.0	10.7	10.7	11.0
RDH10	4.1	1.9	2.8	3.5	2.8	1.5	2.3	2.2	3.2	3.8	2.0	1.7	2.2	1.8	2.2	9.2	3.1	2.5	2.9	2.2	3.5	1.6	1.3	1.6	2.3	1.5	2.1	1.7	1.2	2.4	2.0	3.9	5.5	4.3	1.6	1.9	2.6	2.4	2.8	2.0
RDH11	4.5	3.9	4.5	5.1	4.8	4.1	3.8	5.4	6.5	6.0	5.4	5.7	6.6	7.2	9.2	5.8	5.9	5.7	5.4	7.5	5.8	4.8	5.5	5.9	3.4	5.7	4.2	5.5	5.2	4.8	4.9	5.7	7.4	7.2	4.0	6.8	7.2	5.2	6.6	4.6
RDH13	3.3	6.0	4.5	3.6	5.0	3.1	2.9	4.2	5.5	5.0	5.4	5.9	2.4	3.3	3.4	4.5	3.2	3.1	3.9	4.4	3.7	4.2	4.9	4.6	2.6	4.2	5.3	5.4	1.9	3.0	3.5	4.3	2.0	3.8	3.5	3.1	3.0	3.5	2.3	4.6
RDH14	12.8	14.1	11.6	14.2	15.8	14.9	12.5	14.7	14.6	9.9	13.6	13.1	17.3	17.8	11.8	13.3	10.3	12.0	10.0	16.2	11.7	14.6	13.4	14.0	10.8	9.9	16.4	15.9	12.2	15.5	13.2	13.2	8.2	12.4	12.8	11.6	14.4	10.3	13.9	16.9
RDH5	0.5	2.0	1.1	0.4	1.5	0.8	0.3	0.6	1.1	1.1	2.8	1.3	2.4	1.2	1.5	0.7	2.8	0.9	1.2	0.4	9.3	0.2	1.1	0.9	1.0	0.3	2.0	0.5	1.1	1.1	1.9	0.7	2.2	2.1	1.5	2.2	1.1	2.6	3.0	0.5
RDX	15.7	15.0	14.3	16.1	17.0	12.9	12.2	16.6	15.8	16.0	15.0	12.3	13.4	16.1	9.4	12.2	14.0	15.5	15.2	14.9	14.2	11.3	15.9	14.2	8.3	12.6	13.9	13.7	7.6	7.6	11.3	13.4	14.1	15.4	13.3	13.5	16.9	11.6	13.6	17.1
RECK	1.8	1.9	1.6	0.9	1.9	2.0	1.3	2.3	2.9	2.1	2.4	1.6	2.5	2.2	4.1	2.3	2.0	2.7	1.9	5.2	3.6	2.7	1.9	2.0	1.5	4.2	2.2	2.2	2.2	1.6	1.6	1.9	4.3	3.5	1.1	2.8	3.4	2.2	2.1	2.7



RPAP1	3.1	3.2	2.7	3.3	3.1	3.1	3.2	3.0	3.7	3.0	3.0	3.8	4.0	3.4	4.0	3.4	3.1	3.2	3.8	2.9	3.8	3.2	3.7	3.4	2.5	2.0	3.9	4.2	3.1	3.7	3.3	2.9	4.0	4.0	3.8	3.6	4.4	4.0	3.6	3.5
RPAP3	3.8	3.9	3.4	3.2	4.1	3.5	3.5	4.6	4.7	4.2	4.0	3.4	4.2	4.5	3.4	4.4	3.4	3.8	3.7	4.9	4.2	4.0	4.3	3.8	3.2	3.6	4.2	3.8	2.4	3.8	2.9	3.2	3.6	3.8	3.3	3.2	3.9	3.1	3.8	4.6
RPE	1.8	2.1	2.1	2.5	2.2	1.4	2.1	2.0	2.7	2.2	1.7	2.1	2.4	3.6	3.5	2.0	2.2	2.6	2.5	3.7	3.1	2.7	2.7	2.3	1.5	2.8	2.0	2.3	1.8	1.6	1.5	2.9	3.6	2.9	2.1	2.4	3.0	2.8	2.6	1.8
RPF1	9.0	9.9	9.5	10.3	10.2	10.3	8.5	9.8	8.7	9.7	8.1	9.8	11.3	11.1	10.7	9.9	11.1	12.4	8.5	9.9	9.3	10.0	10.9	9.3	6.8	8.2	13.7	11.7	7.5	10.4	10.5	11.4	9.8	10.4	9.7	9.0	10.9	9.1	10.5	9.8
RPF2	8.3	9.6	8.1	11.4	9.0	6.1	6.0	6.4	8.9	8.5	9.0	5.8	9.3	7.7	7.8	9.6	9.4	8.9	7.0	6.8	12.3	7.1	10.4	7.9	7.1	7.6	9.0	8.1	5.5	7.5	9.1	9.8	10.7	8.7	8.4	7.1	8.3	5.4	7.5	7.8
RPGR	1.1	2.4	1.9	1.5	2.2	1.7	2.3	1.5	2.0	1.8	1.1	1.5	2.0	2.0	2.0	1.9	2.1	1.5	1.1	1.8	2.2	1.5	1.7	1.6	2.3	2.3	2.0	1.6	1.4	2.5	1.9	2.3	8.4	2.9	2.0	6.1	3.4	5.2	4.8	1.4
RPIA	3.7	3.7	3.4	3.7	3.3	3.0	3.0	3.0	4.2	2.8	5.1	3.9	5.5	4.0	3.5	3.3	3.4	4.2	4.0	4.5	4.5	3.5	3.7	4.3	4.4	3.8	4.0	4.7	3.3	3.9	4.1	4.1	5.5	3.8	5.3	4.3	4.6	2.9	3.8	4.6
RPL10	131.6	138.1	103.3	123.3	240.6	134.6	117.5	141.9	132.2	109.4	140.6	166.3	140.9	168.0	199.0	108.7	132.9	138.9	141.9	172.7	189.9	135.3	130.1	139.9	118.5	147.1	137.9	134.6	119.6	165.8	142.8	126.4	243.6	161.7	165.9	119.0	168.3	132.9	142.6	120.4
RPL10A	138.0	179.7	153.7	171.5	238.2	173.4	165.7	183.2	180.9	132.5	179.5	229.9	152.8	197.9	323.0	158.2	173.1	191.8	189.9	222.1	237.0	155.6	189.7	180.1	158.7	190.0	194.8	191.5	148.8	232.7	182.8	195.3	345.2	199.5	209.5	161.5	203.5	180.3	215.3	164.9
RPL11	332.2	357.2	289.6	357.6	403.2	295.8	317.2	347.3	328.8	317.4	321.0	353.7	347.4	351.7	532.3	290.2	382.5	343.2	364.7	380.4	427.6	296.3	396.5	320.6	352.0	400.1	411.0	382.6	271.9	440.2	350.6	342.6	705.4	353.8	408.5	304.8	388.9	291.8	415.3	349.2
RPL12	234.7	199.1	204.0	263.6	372.0	267.0	221.1	191.7	260.9	199.3	238.4	268.8	221.4	232.4	384.0	186.0	229.4	229.8	230.6	301.9	255.2	190.7	239.0	229.3	249.4	274.6	259.1	238.7	177.2	265.6	234.7	233.7	430.1	259.1	260.7	233.4	217.8	203.4	251.3	221.9
RPL13	191.0	233.1	178.9	234.9	335.0	230.5	189.0	218.3	228.2	199.2	222.9	240.3	203.5	281.7	359.6	175.3	236.2	222.1	239.3	254.3	338.3	199.3	207.9	192.8	239.3	257.5	254.4	258.6	193.4	299.5	248.2	219.4	454.7	250.7	241.6	202.1	263.3	203.9	208.2	169.5
RPL13A	118.9	98.1	77.5	104.9	163.7	100.4	143.3	104.6	106.1	105.8	97.5	92.8	99.5	92.2	170.7	119.2	86.9	95.9	92.3	106.5	115.1	88.9	99.0	104.9	109.7	171.9	105.9	97.7	87.0	114.0	96.6	120.9	209.7	97.5	121.6	76.0	104.9	80.3	118.0	88.7
RPL13AP20	4.2	2.1	1.7	3.1	0.7	0.6	1.6	3.2	2.3	2.4	2.8	1.9	0.3	0.9	3.3	2.0	2.6	2.9	4.3	3.5	0.1	0.1	3.3	1.9	2.3	3.2	2.8	1.8	0.2	0.5	2.7	2.0	5.8	2.7	2.1	2.1	0.6	0.3	2.2	1.9
RPL13AP5	374.2	428.4	333.2	423.4	626.8	417.1	318.3	453.7	386.2	288.3	378.5	469.5	369.6	461.6	587.6	277.8	434.6	384.1	465.2	501.2	569.6	378.5	469.1	393.0	426.8	380.4	419.3	479.9	322.8	491.6	429.3	345.8	848.3	409.6	529.8	352.9	471.3	394.4	455.2	362.6
RPL14	161.8	173.9	138.6	180.0	207.5	146.9	138.1	173.7	148.8	136.2	152.7	172.8	151.2	144.8	229.6	132.1	159.3	153.8	155.2	149.8	182.8	127.5	170.1	163.9	134.2	172.3	171.0	182.3	104.3	176.4	176.4	162.0	276.9	152.2	176.1	136.1	165.3	135.5	202.9	170.8
RPL15	109.2	128.0	92.9	120.2	162.2	120.6	115.2	115.8	129.0	113.2	120.6	145.2	122.6	143.7	208.8	108.6	148.5	127.6	132.1	159.0	168.8	116.0	127.5	126.3	124.2	145.3	146.0	142.9	98.3	142.9	127.5	120.3	231.6	133.6	145.5	115.0	148.6	123.0	144.2	123.2
RPL17	218.8	235.4	183.7	230.7	282.2	195.2	215.5	254.5	239.6	210.9	216.2	255.3	244.0	260.1	372.7	197.9	266.2	251.0	271.8	291.5	300.7	217.4	270.8	231.8	232.0	278.7	255.2	265.0	177.0	276.1	262.0	223.5	479.6	246.8	258.9	226.1	265.3	206.7	283.8	219.2
RPL18	137.9	153.9	124.0	145.6	228.9	139.9	144.8	148.6	164.5	135.8	167.7	201.7	155.7	168.2	264.1	118.7	171.8	151.9	186.0	188.3	225.3	142.5	159.4	147.7	161.9	186.9	175.5	186.5	153.1	211.5	213.6	161.0	351.7	183.2	212.1	153.5	191.4	158.3	178.0	138.3
RPL18A	94.0	101.7	75.8	128.0	153.0	89.7	85.4	120.5	93.5	90.9	110.9	139.5	80.7	139.4	168.3	93.3	114.7	100.9	131.2	137.7	168.9	103.6	101.5	94.6	74.7	129.3	117.8	110.7	94.9	133.8	112.5	114.6	227.6	117.3	112.6	92.0	113.6	121.8	103.2	83.1
RPL18AP3	65.9	74.1	71.0	60.7	131.2	89.2	72.5	73.6	81.0	69.6	80.3	87.2	75.8	96.9	124.8	57.0	74.7	68.2	90.5	91.9	123.9	62.8	82.3	79.8	75.9	84.1	78.1	96.3	63.6	97.0	80.1	69.2	160.0	90.2	84.8	82.4	92.9	64.8	91.1	70.4
RPL19	329.9	373.5	290.5	360.5	476.7	354.2	333.3	348.3	345.3	304.3	345.6	376.1	374.5	385.6	503.5	299.9	357.3	308.8	343.8	400.1	435.5	342.5	369.6	338.0	298.5	394.1	412.9	372.2	297.5	465.8	402.8	374.9	655.3	351.6	383.1	320.6	426.6	350.4	426.0	330.0
RPL21	173.4	189.4	156.5	169.1	224.5	149.5	151.1	179.5	152.7	143.8	157.6	168.3	164.4	172.9	225.8	130.7	169.8	159.4	175.8	197.3	192.5	143.8	183.5	140.6	137.6	191.3	185.5	180.0	120.7	202.4	159.7	141.3	277.1	156.8	210.0	152.4	188.5	128.7	193.2	161.2
RPL21P28	247.2	267.3	223.1	241.1	308.8	213.1	215.2	255.9	212.0	205.0	224.8	239.8	234.4	246.5	321.5	186.3	242.1	227.3	250.6	281.2	274.4	204.9	261.4	200.4	196.2	258.7	264.5	256.6	172.2	288.6	227.6	201.4	394.6	223.4	286.2	217.2	268.7	183.5	268.6	229.7
RPL22	64.8	73.6	59.7	67.7	72.8	60.3	56.7	62.5	61.1	63.4	67.8	72.4	70.9	67.7	99.5	61.9	68.1	71.2	64.0	82.7	71.5	54.9	74.2	63.3	63.6	77.8	78.3	76.3	53.0	79.2	64.9	64.8	123.8	71.3	85.5	58.9	76.8	61.0	85.4	69.6
RPL23	328.8	368.3	297.4	348.9	417.6	318.3	323.2	316.9	325.1	298.5	297.1	351.4	342.8	343.1	460.5	276.1	337.6	323.1	339.6	372.5	425.8	274.4	355.0	296.6	300.5	355.1	368.5	364.2	256.8	433.0	355.2	330.7	624.4	330.6	394.4	301.5	384.0	274.2	416.3	323.4
RPL23A	178.3	204.5	149.4	200.6	231.8	169.7	161.2	192.5	191.3	185.1	186.0	213.7	200.3	220.8	313.5	181.5	204.6	194.5	197.8	205.0	246.8	173.5	220.8	203.0	164.2	223.1	227.7	209.0	148.0	224.5	203.2	193.8	363.9	202.1	235.5	163.3	220.6	172.4	255.5	197.8
RPL24	233.4	268.3	225.2	267.8	266.2	232.3	233.5	225.9	218.7	215.5	230.7	273.5	247.6	221.5	315.4	210.5	229.8	225.1	244.8	251.9	274.0	208.5	273.7	227.4	239.4	264.5	284.8	279.9	177.1	324.7	306.0	233.1	400.1	240.1	303.5	225.6	254.7	218.7	290.8	241.6
RPL26	373.2	437.8	353.2	426.6	506.2	366.4	394.8	405.9	352.4	356.7	349.1	379.7	361.2	365.1	511.3	322.8	405.9	375.8	393.1	390.9	449.6	344.8	455.3	367.6	356.4	429.1	461.5	447.6	268.8	430.6	358.9	357.3	710.4	351.3	479.6	338.3	436.7	337.9	466.3	387.9
RPL26L1	7.8	8.4	7.7	11.7	11.8	10.3	8.4	10.4	12.6	10.8	11.1	11.7	11.7	11.4	12.7	12.5	13.5	10.6	11.2	11.0	10.7	9.5	11.1	12.2	9.7	8.8	10.3	13.3	9.5	11.4	10.5	14.0	10.4	14.2	12.1	10.1	13.2	10.5	11.6	10.4
RPL27	297.7	290.7	248.7	289.3	314.1	253.9	283.5	290.5	264.5	250.3	254.3	276.5	253.8	304.7	327.2	238.9	278.5	263.9	270.3	301.6	327.7	207.3	266.0	235.3	250.1	258.7	289.6	286.1	196.3	325.2	285.6	278.0	428.6	268.9	305.2	257.6	259.4	220.2	296.0	266.1
RPL27A	38.6	39.4	31.5	43.7	52.1	35.2	34.1	37.1	36.7	32.6	36.6	39.9	36.6	43.2	53.1	31.0	37.8	35.4	36.2	43.0	42.2	33.9	39.6	35.2	40.0	43.1	40.1	42.2	32.9	48.3	41.5	39.1	71.4	38.9	46.1	33.4	39.1	33.6	44.3	36.6
RPL28	51.4	56.3	53.0	77.0	97.2	59.8	71.0	73.7	88.7	64.7	75.4	88.7	69.6	66.7	142.0	72.7	85.6	70.1	78.8	81.7	87.7	59.9	76.0	81.4	81.2	86.0	79.9	96.9	53.3	66.7	79.4	88.0	180.1	72.8	77.4	69.5	57.0	62.2	74.3	63.2
RPL29	133.4	134.3	112.3	140.3	187.8	119.4	121.9	126.8	127.7	120.5	153.3	153.4	130.5	156.8	182.8	121.9	141.5	133.0	144.9	153.5	189.7	118.0	130.0	120.3	113.7	133.6	144.3	136.9	109.4	153.8	140.5	138.8	239.2	142.2	150.2	126.4	155.0	117.2	143.2	124.8
RPL3	141.4	116.7	94.1	122.8	291.8	124.3	123.3	117.5	158.6	120.9	132.8	135.4	174.5	221.7	386.9	130.9	163.0	164.8	146.4	256.9	285.8	127.3	157.9	116.6	146.1	206.6	132.5	143.8	197.6	214.3	128.7	180.9	526.3	220.1	133.7	132.7	184.6	170.6	202.9	107.7
RPL30	326.6	359.1	283.0	312.8	393.8	276.7	324.2	329.5	295.2	286.1	319.7	331.4	304.9	310.6	474.1	287.5	333.3	313.2	349.4	393.0	368.4	260.8	348.8	303.4	272.2	358.0	386.3	360.0	234.7	372.4	345.7	313.2	617.8	337.5	408.5	292.6	357.5	267.2	405.8	308.1
RPL31	274.0	296.0	227.8	252.1	361.2	242.7	267.4	273.2	268.5	241.1	295.9	329.9	283.8	317.4	399.9	247.9	269.7	265.2	294.8	334.7	332.6	226.0	282.3	262.8	217.6	278.2	326.1	266.7	215.7	366.7	314.6	292.0	522.0	302.4	324.2	264.4	324.6	237.7	311.3	253.8
RPL32	112.6	134.4	108.4	137.8	157.0	114.9	121.1	130.7	122.4	126.9	116.9	128.4	120.4	121.7	173.6	115.2	127.0	119.8	129.3	136.2	152.1	97.4	135.9	125.4	121.7	144.3	141.5	146.6	90.2	138.5	126.8	132.5	236.9	119.9	141.3	105.9	135.2	98.3	141.8	121.2
RPL34	93.1	97.6	72.6	77.7	133.1	93.0	84.9	81.2	86.5	70.6	88.8	99.1	98.2	101.9	130.1	77.6	85.3	82.4	87.9	106.7	119.7	82.8	84.5	77.1	83.9	93.7	98.1	96.2	83.6	139.8	111.3	90.6	192.8	102.0	114.2	82.5	111.4	83.3	104.0	79.3
RPL35	179.8	228.6	180.6	256.2	293.9	216.6	224.6	221.4	207.8	199.0	187.3	249.7	212.1	239.8	293.0	182.9	230.6	202.3	237.5	207.8	290.5	195.5	248.8	203.7	218.6	226.2	236.3	242.3	193.8	270.6	251.4	230.7	360.1	194.4	238.6	178.4	213.9	207.5	234.1	197.3
RPL35A	218.1	250.0	200.8	201.7	279.3	198.9	221.9	221.3	225.3	198.8	274.3	276.4	255.6	223.2	305.6	216.0	201.1	222.2	237.0	268.3	249.2	217.4	255.4	251.6	220.2	272.4	283.1	269.7	194.4	347.9	286.3	260.3	381.3	278.5	337.8	219.1	271.3	219.6	300.2	260.3
RPL36	146.1	153.2	119.7	136.0	163.7	125.4	139.6	146.0	167.7	156.5	155.6	183.7	142.2	149.1	264.1	131.9	157.0	135.5	189.7	168.1	208.5	113.5	165.2	154.3	151.0	172.0	158.4	163.9	139.2	172.8	176.0	177.4	347.2	177.5	172.6	148.9	150.3	120.8	173.5	129.8
RPL36A	59.5	62.0	54.2	64.7	75.1	50.9	63.1	53.2	48.8	35.5	49.8	57.4	43.2	55.9	100.9	47.4	50.8	49.7	52.9	67.3	72.3	41.4	58.6	48.7	56.6	64.1	63.1	51.7	43.2	63.9	68.3	59.4	137.1	50.0	61.0	49.1	53.3	46.1	63.5	49.0
RPL36A-HNRNPH2	18.4	18.6	16.9	23.2	16.3	18.4	17.8	17.2	24.3	24.3	19.9	21.0	24.0	19.0	19.4	21.8	20.3	20.7	19.6	20.6	20.1	18.2	21.9	21.0	17.5	22.0	17.9	18.2	13.6	20.1	15.8	23.9	28.7	21.5	21.6	20.2	21.9	15.2	21.8	22.2
RPL36AL	101.6	119.5	104.7	101.5	101.4	86.6	107.0	94.2	100.7	86.0	107.3	109.6	94.9	92.8	144.3	101.6	120.1	105.6	81.2	77.6	113.4	96.3	111.2	106.7	101.6	95.6	132.6	119.3	72.0	128.4	102.3	115.5	189.5	112.2	105.0	86.7	124.1	107.1	139.4	107.2
RPL37	78.9	86.7	73.3	95.9	107.4	71.7	93.1	78.5	81.2	70.1	81.3	90.6	69.4	81.5	139.5	73.3	89.8	75.6	89.7	98.0	100.2	72.9	97.4	79.3	87.2	87.5	94.9	95.6	62.9	98.4	113.2	90.1	185.1	89.7	96.7	81.3	93.8	74.8	105.2	80.1
RPL37A	357.6	411.2	320.9	349.5	449.0	283.9	349.7	365.4	306.4	337.1	393.0	435.8	323.9	368.9	479.2	289.6	373.2	316.3	414.8	406.3	426.6	276.1	421.4	366.6	337.2	390.7	429.2	423.5	297.1	470.9	424.7	376.4	567.3	388.4	486.4	336.7	366.7	282.9	428.2	362.7
RPL38	237.4	270.1	238.1	283.9	267.2	210.7	248.1	263.5	243.9	240.2	244.6	294.9	225.5	206.6	340.6	233.0	259.8	232.8	276.5	248.4	245.0	190.8	308.5	254.1	213.6	258.4	282.0	282.6	163.2	257.5	318.7	252.3	395.7	243.1	294.6	234.5	216.0	191.5	317.0	275.3
RPL39	251.9	294.4	219.4	244.9	284.8	185.2	244.3	247.6	252.3	249.7	304.8	283.4	289.9	262.9	346.5	229.7	233.5	281.2	263.2	308.4	288.9	202.2	289.0	244.2	244.0	262.5	301.0	253.5	178.8	316.8	283.8	277.9	451.7	278.8	284.4	256.0	259.5	193.3	276.2	249.8
RPL3L	88.6	102.0	78.4	61.4	73.0	72.9	61.2	84.9	69.6	79.8	85.3	83.0	79.3	69.6	46.1	74.5	54.1	65.2	70.9	52.9	63.6	70.4	82.6	76.5	44.9	72.5	96.4	101.1	48.0	79.9	78.1	76.1	38.0	73.8	80.7	61.9	91.4	60.1	78.1	79.7
RPL4	325.1	348.6	257.5	333.0	468.4	319.0	284.5	317.2	317.7	279.9	302.3	357.7	305.3	336.4	460.8	266.4	348.1	326.2	329.8	372.3	419.1	296.0	333.7	292.5	275.8	355.5	351.8	331.6	252.5	385.1	329.5	300.1	525.4	343.0	355.6	282.3	385.4	319.0	361.7	284.5
RPL41	786.8	819.9	724.8	854.3	944.5	672.7	850.7	895.5	788.1	724.7	806.6	871.6	706.5	756.4	1228.3	746.9	880.5	778.2	879.9	972.7	862.2	670.8	922.3	801.9	817.3	915.5	936.2	876.1	577.9	818.8	726.7	773.7	1493.5	829.4	1004.8	760.5	809.4	676.7	950.6	767.3
RPL5	218.5	221.8	189.1	230.0	286.3	218.6	190.7	225.7	219.2	221.1	216.5	250.8	229.9	228.4	345.2	218.9	254.9	231.3	248.9	266.8	284.2	219.7	274.2	233.7	201.1	272.7	258.7	243.8	176.0	244.5	251.0	239.3	417.6	256.5	271.4	203.9	282.9	214.7	287.4	226.1
RPL6	200.6	243.1	177.9	244.7	326.6	240.3	190.7	245.1	222.8	216.5	222.5	251.8	262.0	287.4	334.0	194.7	247.2	229.9	241.6	263.0	332.0	221.9	241.3	222.0	204.3	249.3	231.3	248.2	200.4	297.8	239.3	221.6	400.0	232.5	258.1	207.7	293.4	222.9	268.7	216.5
RPL7	318.8	385.6	272.5	341.2	459.8	302.3	324.0	362.1	306.1	307.7	339.8	372.1	347.2	358.0	480.6	306.3	376.8	344.4	341.5	379.4	432.5	317.1	396.5	331.1	313.0	381.1	388.8	377.4	253.1	438.4	323.5	333.7	582.3	342.2	420.5	295.6	412.6	307.4	465.1	346.6
RPL7A	280.0	299.1	260.3	322.4	449.0	293.4	270.5	341.4	301.7	271.8	325.7	338.6	299.7	352.9	476.6	257.3	341.2	294.1	344.2	354.7	427.4	285.9	348.8	308.8	269.6	338.8	350.9	358.7	243.4	357.7	323.1	310.0	572.5	313.4	371.5	280.2	342.9	302.6	374.8	283.5
RPL7L1	7.9	9.8	9.3	9.3	10.1	8.1	7.8	12.1	12.7	9.3	11.3	9.4	10.6	11.6	10.5	8.7	10.9	10.4	12.2	9.3	11.6	9.4	11.0	9.7	7.1	9.9	10.0	10.3	6.6	8.2	9.1	11.8	13.3	13.2	10.2	12.3	13.8	13.5	13.6	11.9
RPL8	358.3	403.1	376.7	396.1	504.1	371.0	387.7	413.7	414.3	379.2	422.1	463.9	333.8	422.3	533.4	378.3	380.7	372.2	468.4	429.0	489.4	349.9	437.6	408.1	401.7	412.9	408.1	459.6	294.3	485.9	474.9	459.3	555.0	417.2	453.1	399.9	433.8	376.8	417.9	388.9
RPL9	245.4	281.9	214.7	226.3	348.5	233.6	230.8	245.3	238.9	220.3	259.3	291.6	292.4	333.7	386.9	201.6	245.1	244.1	254.7	314.2	353.5	224.0	262.8	206.9	233.6	291.8	277.6	251.3	234.0	402.9	301.2	257.6	515.2	286.0	316.5	234.1	330.9	235.9	300.9	206.2
RPLP0	186.3	193.3	169.5	197.5	415.3	198.6	192.7	206.9	191.2	154.5	180.2	224.5	169.6	265.5	246.8	151.8	204.4	183.6	197.4	209.5	320.5	187.6	184.3	171.2	162.8	184.2	188.0	205.9	152.2	196.8	182.0	181.2	325.4	191.4	195.2	160.9	240.1	193.6	190.0	148.8
RPLP1	613.9	743.4	566.8	594.0	797.4	540.0	555.3	646.5	559.6	566.9	649.6	748.1	534.3	651.7	772.6	498.6	591.4	607.9	608.8	529.8	611.8	418.4	638.7	532.0	562.1	635.4	805.9	711.1	473.8	719.0	811.6	624.9	857.9	677.9	815.0	551.6	581.1	512.8	656.4	538.9
RPLP2	164.4	183.8	120.0	197.8	266.3	155.0	155.5	162.9	151.9	141.0	179.0	223.4	196.8	202.0	275.7	160.9	168.9	135.3	159.5	137.6	305.4	133.6	181.3	167.6	159.9	163.4	181.8	142.2	196.6	252.3	194.7	202.7	443.6	177.8	170.3	109.1	192.7	148.5	207.8	153.2
RPN1	28.2	30.4	28.1	41.9	29.2	22.3	27.4	31.1	30.9	27.5	23.8	25.3	27.4	28.8	33.6	26.7	27.1	25.0	30.0	30.2	31.8	27.8	28.6	24.3	20.0	26.0	28.2	27.2	20.1	27.6	24.8	30.8	43.7	33.5	30.5	28.2	34.4	33.7	32.9	25.9
RPN2	30.7	30.3	29.0	41.2	37.3	24.4	29.3	32.6	37.5	31.5	29.9	31.4	39.2	44.2	38.6	29.5	33.0	29.4	32.5	35.5	41.9	34.1	30.5	28.6	19.6	28.4	28.5	29.0	24.8	31.3	23.2	34.4	36.8	34.3	25.7	28.9	37.2	36.9	32.1	28.5
RPP14	6.0	7.2	5.5	4.0	5.6	3.7	5.4	5.6	6.4	4.4	7.0	4.2	3.9	5.2	3.2	6.6	3.3	6.9	4.1	5.4	4.3	6.3	5.3	4.6	4.3	3.4	4.1	7.1	3.2	3.5	4.3	6.8	3.1	6.5	4.9	5.1	4.2	3.8	5.1	4.7
RPP21	5.0	6.0	6.4	6.9	6.7	7.1	6.4	6.2	5.6	6.4	5.1	8.1	9.5	5.3	7.6	5.6	6.6	5.8	5.6	7.1	6.8	4.4	6.4	5.6	6.3	4.7	6.7	6.9	5.1	7.8	9.1	7.3	8.5	5.6	5.8	4.5	6.6	6.1	5.5	4.8
RPP30	2.8	2.7	3.0	3.3	2.9	3.1	2.8	2.6	2.6	2.8	3.9	2.7	3.2	3.2	3.0	3.0	3.2	4.4	2.6	3.0	3.6	3.3	3.4	3.1	2.0	2.4	3.9	3.4	2.1	3.3	2.9	3.0	3.7	3.1	3.0	3.4	3.7	2.6	3.1	4.0
RPP38	3.3	3.6	3.2	3.4	3.5	4.0	3.6	3.8	3.4	3.5	3.5	2.7	4.1	3.9	4.5	3.5	2.6	3.0	3.2	2.8	2.8	3.1	3.4	3.1	2.6	2.9	5.8	3.4	2.2	3.8	3.1	3.4	4.0	3.3	2.5	2.8	3.4	3.4	4.6	3.7
RPPH1	1.6	1.2	1.8	1.0	0.6	21.2	2.4	1.3	1.0	0.2	0.0	1.9	0.6	0.7	0.9	1.5	1.9	0.5	1.8	1.0	0.2	1.6	1.1	0.5	8.8	3.6	0.9	1.6	2.1	0.9	1.3	0.7	0.2	1.0	4.4	1.8	0.2	0.5	0.9	0.4
RPRD1A	7.9	8.0	7.3	8.1	7.6	7.0	7.6	9.2	8.4	7.3	7.7	7.1	6.6	11.2	6.4	7.7	8.0	9.0	6.7	9.1	7.4	7.8	7.9	8.3	5.6	6.7	7.5	8.6	5.7	5.8	6.5	8.0	7.9	9.3	6.5	7.9	8.3	8.1	7.9	8.7
RPRD1B	10.8	9.2	10.6	8.5	12.4	10.1	7.0	12.4	9.9	8.6	9.5	9.1	10.6	10.9	10.4	9.2	9.3	9.6	8.1	11.6	8.8	9.2	9.1	11.0	8.3	8.7	12.0	9.1	8.4	7.0	8.2	10.3	9.0	10.4	8.7	8.9	10.5	9.3	9.8	9.7
RPRD2	4.6	4.6	3.9	4.1	4.2	4.4	3.4	4.3	5.6	4.6	5.0	4.4	4.2	4.5	5.3	4.6	4.5	4.9	5.1	5.6	4.4	4.5	5.0	5.0	3.5	4.6	5.4	5.2	3.3	3.0	3.9	4.2	6.2	4.8	3.4	5.1	5.0	3.7	5.4	6.6
RPS10	147.0	170.5	126.7	158.3	240.7	150.9	166.7	176.3	157.6	138.3	166.8	187.4	148.2	178.0	220.8	125.2	162.6	152.5	177.2	189.9	204.5	142.5	155.0	155.2	154.1	175.7	178.1	182.5	120.0	196.9	163.0	142.6	277.6	166.1	201.9	144.5	172.7	144.2	170.7	137.1
RPS10-NUDT3	6.4	1.6	1.3	0.4	0.5	0.3	2.4	3.1	1.1	0.8	1.2	0.2	0.3	1.8	0.7	0.4	1.8	1.5	1.3	1.0	0.7	1.8	1.7	0.8	2.3	0.2	0.8	0.3	0.4	0.3	0.9	1.0	1.3	0.9	2.5	1.6	0.8	0.0	0.9	2.4
RPS11	336.8	375.7	302.2	392.0	479.3	344.1	359.8	384.1	364.9	331.3	368.8	392.8	377.8	404.0	570.7	330.4	401.5	365.3	410.8	452.8	447.3	335.3	355.0	351.3	366.2	446.7	442.0	442.6	309.3	452.8	386.5	386.3	786.2	417.7	470.2	346.6	416.2	331.4	419.8	349.8
RPS12	255.5	248.8	192.9	237.0	362.0	190.9	183.9	219.4	266.3	177.0	257.0	282.7	246.5	281.7	358.4	196.3	234.7	242.7	242.2	305.9	366.9	192.9	217.3	220.5	205.6	230.0	252.7	209.7	188.6	297.3	231.3	219.4	517.2	295.6	252.6	209.0	260.9	193.9	238.2	213.4
RPS13	205.4	215.3	182.6	225.1	297.7	192.4	214.5	206.0	197.8	177.9	219.9	224.7	211.2	188.5	280.6	196.5	199.7	190.8	205.4	222.8	267.9	179.1	229.7	197.7	198.5	206.7	242.3	212.4	171.8	245.0	235.2	204.3	315.0	209.0	233.3	186.0	232.6	168.6	257.0	195.7
RPS14	283.5	283.6	227.5	249.3	373.8	271.0	281.1	267.4	259.2	244.4	291.0	310.8	269.6	273.3	350.0	235.2	257.7	257.0	276.5	304.8	320.7	257.2	264.0	214.7	237.0	278.4	312.3	285.9	227.2	316.6	308.9	264.5	519.1	294.9	323.6	251.4	291.3	265.9	312.7	201.6
RPS15	119.2	137.5	119.1	151.0	206.1	148.6	143.4	154.7	156.6	126.5	145.2	174.6	149.0	168.2	217.1	130.5	151.7	117.3	174.1	159.4	204.1	130.1	156.1	141.1	153.8	157.7	145.5	161.7	131.8	192.0	186.2	171.4	278.7	153.8	181.5	142.9	152.2	147.8	160.4	140.4
RPS15A	242.1	284.7	228.9	276.0	330.6	235.7	246.8	290.0	262.1	244.0	277.8	293.6	300.2	289.3	382.4	234.4	282.5	277.5	284.0	325.0	334.6	239.1	282.4	243.5	207.6	304.0	282.4	305.9	191.5	320.3	282.1	294.7	537.9	288.2	299.2	231.5	324.5	237.9	324.4	257.7
RPS16	349.8	334.2	268.2	253.6	434.3	274.4	324.1	446.6	237.4	215.9	284.1	276.4	210.6	343.4	367.9	194.6	291.9	266.1	258.2	300.5	394.8	184.6	348.1	296.5	222.5	255.3	357.3	432.1	176.7	381.7	348.2	238.8	456.7	293.4	291.1	252.9	382.0	206.2	394.2	288.0
RPS17	138.2	150.1	122.4	164.6	153.3	114.5	138.0	147.4	151.2	141.8	151.2	150.0	111.7	144.8	215.6	125.5	155.6	151.8	146.2	169.6	166.2	107.1	157.4	137.7	144.1	164.4	158.6	164.6	97.1	146.5	140.7	145.6	300.2	153.4	157.4	136.8	124.4	118.7	148.6	143.4
RPS18	293.4	359.5	301.1	364.3	499.3	262.6	342.3	317.5	380.0	274.9	384.7	400.6	394.5	426.0	604.1	304.4	354.6	378.5	376.9	477.0	521.3	341.2	383.8	336.2	275.0	355.8	392.0	380.4	324.3	492.7	389.1	388.0	890.1	460.4	400.0	344.7	428.1	376.3	407.1	332.2
RPS19	78.1	75.9	58.4	85.1	126.3	62.2	75.5	87.5	96.7	85.9	86.0	99.0	96.7	103.5	160.6	63.4	110.3	90.5	103.4	112.2	118.3	74.0	88.1	82.6	88.8	102.8	92.1	104.0	93.5	96.3	106.6	85.2	221.5	114.6	98.2	76.2	86.2	73.8	94.3	66.8
RPS19BP1	15.9	18.0	13.0	22.0	26.8	18.7	18.2	16.3	19.6	17.6	19.1	20.8	20.4	26.6	20.8	16.0	17.6	15.5	19.5	17.7	21.3	19.7	15.8	16.1	15.7	14.7	18.4	20.0	18.7	23.3	16.9	18.2	21.7	19.3	19.7	17.7	21.9	17.0	17.7	14.6
RPS2	238.4	299.0	218.8	336.6	503.6	319.8	227.2	258.5	259.2	246.0	289.7	353.9	250.7	356.5	438.4	208.5	334.0	289.5	306.0	337.9	440.9	265.2	314.5	247.0	232.5	292.5	294.3	332.7	228.6	333.5	319.7	252.2	567.0	314.9	292.4	256.6	404.5	288.3	289.8	200.2
RPS20	171.5	191.6	146.7	183.0	250.8	148.7	164.2	161.5	159.5	142.8	165.6	193.8	190.9	185.5	289.3	142.4	216.2	142.4	162.7	199.5	214.9	135.1	188.6	154.2	177.6	177.3	184.6	210.2	143.6	235.0	270.8	171.5	348.7	165.6	205.9	166.2	186.3	139.9	204.6	155.6
RPS21	96.0	101.6	84.0	70.2	118.9	65.4	88.1	84.4	88.8	74.1	91.8	114.5	75.7	91.8	143.8	76.0	79.6	79.5	98.7	115.9	94.1	66.0	83.0	76.5	86.1	100.0	114.3	106.1	68.4	99.3	101.8	89.2	195.7	119.5	119.1	88.3	87.2	67.0	103.7	72.1
RPS23	51.4	56.3	39.3	58.4	72.0	47.1	49.0	55.3	50.0	43.8	50.4	56.2	52.0	46.3	69.8	46.2	48.1	48.3	54.3	53.9	50.7	50.5	54.2	49.0	50.2	57.5	62.2	48.9	39.5	51.9	52.2	50.8	89.5	53.7	67.8	42.3	52.7	49.4	65.6	53.3
RPS24	431.7	494.1	357.7	523.2	471.3	384.5	431.4	459.6	352.1	411.2	388.4	428.4	432.1	398.7	562.4	360.9	484.8	408.4	424.2	446.5	456.3	304.0	490.4	374.8	398.0	503.4	501.9	511.2	327.6	504.0	429.5	428.3	749.8	380.0	523.1	380.8	447.0	265.0	520.4	431.0
RPS25	310.8	354.3	314.6	319.7	357.5	258.0	318.4	296.4	296.4	277.2	320.0	353.9	282.6	279.7	442.3	274.2	304.2	316.6	310.2	323.3	312.8	236.0	333.9	264.2	289.8	352.7	370.2	291.2	244.0	350.6	339.9	319.4	545.3	345.2	420.3	254.5	291.1	238.4	369.7	306.7
RPS26	99.1	107.9	106.7	177.4	130.5	117.1	131.7	120.2	143.2	57.9	71.2	121.4	116.8	152.6	205.7	129.6	110.9	100.2	71.3	61.3	134.3	96.9	161.7	99.3	150.9	57.9	80.9	174.7	95.0	183.3	159.9	145.3	171.4	104.3	69.0	64.7	110.5	94.5	164.5	99.7
RPS26P11	3.0	1.8	2.3	2.5	1.6	1.5	2.9	1.5	4.2	2.0	2.0	2.9	0.6	1.5	4.5	2.1	3.4	1.5	2.1	1.4	1.8	1.7	4.5	1.8	4.5	1.6	2.5	4.1	2.0	2.1	4.4	3.2	3.3	2.2	1.0	1.5	1.8	0.6	2.5	0.9
RPS27	471.3	528.6	386.3	518.0	562.0	413.4	510.0	520.7	462.7	434.1	454.6	536.9	497.0	435.2	794.8	426.1	578.3	475.2	553.0	618.8	556.0	394.6	522.6	450.4	461.4	605.0	578.4	593.9	323.7	539.0	499.8	454.4	1123.4	489.3	534.0	410.1	468.5	371.9	555.4	428.8
RPS27A	113.9	128.9	89.5	107.2	181.8	107.0	108.5	117.1	129.3	114.1	135.3	144.2	146.7	146.6	206.7	99.0	130.4	125.4	128.7	169.3	163.2	110.9	124.0	116.5	124.6	148.1	139.3	114.0	115.7	190.7	132.3	124.2	287.8	162.7	167.0	111.5	152.8	110.2	154.0	109.6
RPS27L	26.0	22.4	21.7	23.1	18.3	27.3	28.0	18.0	20.8	16.5	23.1	20.1	28.6	27.6	35.3	24.0	27.6	26.0	21.2	32.7	21.3	19.7	23.3	27.5	18.0	21.3	23.5	22.2	23.4	25.3	26.1	35.4	31.3	27.8	23.5	23.2	20.9	19.4	22.5	22.1
RPS28	132.6	153.8	135.9	170.1	232.7	146.3	164.9	170.4	136.9	130.4	162.4	186.6	153.5	150.2	208.1	138.2	155.0	120.8	188.5	148.5	206.8	122.1	183.5	170.2	142.4	130.4	201.9	183.5	141.6	183.5	202.3	159.5	285.9	143.2	177.2	138.2	172.7	140.0	194.0	149.4
RPS29	151.9	150.7	121.9	130.3	144.1	74.5	134.3	119.6	142.8	120.4	185.1	178.6	118.9	115.0	174.3	110.7	124.7	126.9	161.1	187.8	137.2	84.4	147.1	120.5	120.8	134.2	170.1	149.4	96.6	126.0	145.7	135.3	252.1	181.6	204.2	144.0	119.1	79.6	159.5	119.9
RPS3	175.9	158.2	138.8	168.2	225.8	157.4	161.4	176.0	201.2	167.8	195.2	202.4	152.5	199.8	302.9	142.7	187.6	184.6	211.8	221.0	234.0	163.0	212.0	174.5	188.6	217.0	206.3	213.7	143.7	224.1	223.0	182.1	385.0	219.4	239.0	162.2	217.1	176.4	217.3	163.5
RPS3A	313.6	355.4	232.6	289.2	454.1	313.8	279.5	327.4	307.5	287.0	301.4	337.8	375.0	395.6	458.2	261.0	317.9	320.9	323.2	380.5	422.6	307.7	336.4	276.3	288.3	368.8	336.0	329.9	282.9	419.2	317.3	299.1	609.8	345.1	417.3	270.6	412.8	285.6	370.1	275.6
RPS4X	206.7	252.8	171.1	249.5	293.6	227.8	186.4	213.9	214.8	218.1	228.7	257.3	225.2	248.6	343.1	189.4	313.7	230.4	266.3	261.9	284.9	214.6	266.5	220.7	219.1	271.7	264.5	271.5	192.3	286.5	237.9	203.1	617.8	224.9	299.4	212.4	283.8	209.3	303.0	214.9
RPS4Y1	79.4	0.1	67.2	80.0	92.8	79.5	68.9	65.2	73.2	62.3	68.5	74.8	73.0	76.8	94.7	63.3	0.0	70.5	0.0	75.1	82.1	65.2	0.1	67.1	75.7	75.1	80.5	71.1	51.2	100.4	71.1	64.7	1.9	69.4	0.3	64.0	85.6	68.1	0.7	68.6
RPS5	154.7	156.5	104.0	144.6	276.4	142.7	150.7	151.8	139.9	136.4	135.8	159.1	147.1	180.7	204.3	108.1	155.5	141.2	163.4	166.7	207.6	148.2	135.7	141.8	118.9	156.5	162.5	154.3	119.2	172.7	157.0	135.4	274.4	156.5	169.2	125.2	180.9	147.4	151.6	120.7
RPS6	373.6	435.7	310.1	427.9	591.7	404.7	354.4	429.8	431.8	398.7	355.4	466.1	400.1	473.0	612.8	315.4	455.6	438.8	433.0	425.9	610.1	383.2	471.5	400.8	386.0	506.7	425.1	436.1	341.9	480.1	426.6	370.0	825.5	417.3	479.6	335.5	474.5	401.7	475.0	383.2
RPS6KA2	19.8	23.6	22.6	24.1	26.0	24.0	23.8	27.1	20.5	19.9	22.6	23.3	18.0	32.6	17.5	26.1	28.9	25.4	18.4	20.6	25.3	23.8	21.1	23.5	16.2	14.2	28.0	21.6	13.3	17.3	18.8	19.4	24.5	20.2	15.1	32.9	26.1	36.0	27.9	19.1
RPS6KA3	6.2	4.7	5.3	4.3	3.5	4.8	2.7	3.5	5.1	4.5	5.5	3.7	4.7	6.4	4.1	3.1	4.9	4.7	6.2	6.5	5.2	3.9	4.1	2.8	2.0	4.1	3.7	4.1	2.9	3.5	3.9	3.1	6.2	4.8	3.1	4.4	6.1	3.3	3.5	4.0
RPS6KA4	2.8	3.9	2.8	3.8	4.1	3.6	3.4	3.1	3.9	2.9	4.2	3.5	3.9	3.5	5.0	3.3	3.7	3.6	3.4	3.9	3.8	3.2	2.8	3.0	2.3	2.2	3.3	3.7	3.5	2.7	3.6	3.1	4.4	4.8	2.9	3.9	4.0	3.5	3.0	3.1
RPS6KB1	3.3	3.9	4.3	3.6	4.1	2.7	3.2	3.9	4.2	3.5	3.6	3.2	4.2	4.3	3.1	4.1	4.6	4.1	3.6	4.3	4.0	3.6	3.7	3.0	2.9	3.4	4.1	3.8	2.3	3.3	3.4	3.9	5.7	4.6	3.6	4.0	5.1	3.6	4.8	4.2
RPS6KB2	3.9	5.4	6.2	6.3	5.1	6.1	4.8	6.0	5.3	3.8	5.5	5.0	6.2	5.6	6.4	6.3	5.4	3.6	5.6	5.3	5.6	5.6	3.5	4.4	5.6	4.2	6.1	7.6	5.7	5.3	4.6	6.2	7.2	3.9	6.4	6.0	6.1	6.3	5.8	5.5
RPS6KC1	3.3	2.6	2.3	2.8	3.1	1.8	2.4	2.6	2.8	2.4	2.9	2.2	3.1	3.8	2.8	2.7	2.3	2.6	2.3	3.5	2.4	2.1	2.6	2.0	1.6	2.4	2.2	2.8	2.3	2.3	2.1	2.8	3.9	2.7	2.3	3.0	3.2	3.0	2.9	3.0
RPS7	169.3	201.5	150.8	190.5	226.4	159.3	179.6	205.2	176.6	160.0	160.3	191.3	175.7	187.9	260.9	139.9	180.7	174.8	196.9	204.4	219.8	135.3	188.0	160.2	160.5	192.7	179.9	186.6	145.0	203.0	217.3	194.6	316.6	181.4	209.0	164.8	191.0	155.8	223.5	168.9
RPS8	238.0	263.5	199.8	261.7	410.9	278.5	234.6	245.0	272.2	238.0	260.2	268.0	289.7	347.9	424.4	220.4	278.2	244.7	253.7	281.7	408.9	220.6	266.6	233.9	239.4	311.5	292.5	260.7	246.7	347.8	279.8	264.9	620.1	259.0	289.7	215.2	315.1	246.1	296.8	233.3
RPS9	197.0	184.3	161.1	179.0	311.8	170.8	200.8	206.6	209.2	151.9	222.6	249.7	173.0	224.1	297.4	173.3	190.2	188.4	196.5	220.3	249.8	191.6	194.6	181.3	216.6	200.6	223.2	206.3	144.9	267.0	215.2	212.1	343.2	227.5	239.6	164.2	224.2	205.3	219.0	158.9
RPSA	62.7	66.5	56.8	70.4	138.4	73.7	57.1	75.9	61.1	55.4	69.2	75.7	79.5	100.1	94.0	56.2	69.4	61.5	67.9	83.6	116.2	72.6	60.8	54.4	57.2	75.1	64.9	67.0	69.6	87.8	78.2	65.9	117.2	70.9	68.8	60.6	92.2	74.0	65.7	49.8
RPSAP58	29.1	29.4	22.8	23.6	45.1	20.8	24.3	29.6	29.0	25.2	30.4	35.7	25.2	36.8	40.0	23.1	29.1	30.7	31.1	44.7	37.5	19.3	24.8	24.8	23.8	31.1	28.2	27.2	25.9	33.0	38.7	27.7	60.6	37.1	31.1	26.4	31.1	21.7	24.7	19.7
RPTOR	3.5	3.3	3.3	2.8	4.4	3.2	2.7	4.0	4.1	3.5	4.1	3.5	3.5	5.1	4.8	3.9	3.6	3.7	3.5	4.0	3.9	3.9	3.7	4.1	2.7	3.2	4.4	4.1	2.9	3.8	3.2	3.5	4.0	4.6	2.7	3.8	3.5	4.4	3.5	3.7
RPUSD1	1.9	2.1	3.0	1.9	2.7	2.3	2.1	2.1	2.0	2.8	2.8	2.6	2.9	2.8	3.8	1.8	2.6	2.0	2.2	2.8	3.0	2.7	1.9	2.0	2.4	1.3	2.2	2.7	2.0	2.2	2.2	2.2	2.9	2.8	1.4	1.7	2.4	2.9	2.3	2.2
RPUSD2	2.6	2.7	3.1	3.3	2.2	2.3	1.6	3.2	3.0	1.6	2.5	2.6	2.7	2.8	2.3	2.7	2.5	1.8	2.2	2.8	2.3	2.5	2.7	3.0	1.8	1.6	3.1	2.2	2.4	2.3	2.0	2.5	1.4	2.4	2.0	2.2	2.2	2.1	2.9	2.9
RPUSD3	5.8	7.7	5.7	6.5	8.0	10.7	6.9	6.9	6.2	4.7	7.7	6.0	6.8	6.8	5.5	7.5	5.1	7.4	7.1	6.8	6.4	6.8	7.1	5.3	5.7	5.1	6.6	9.0	4.8	7.8	6.2	6.5	4.3	6.0	6.6	7.5	7.5	6.4	6.6	5.6
RPUSD4	6.2	8.0	7.2	11.4	8.6	6.7	6.6	5.4	7.9	7.6	9.2	6.3	9.5	7.8	6.1	9.4	12.5	8.5	6.5	6.4	7.1	8.3	7.7	6.8	5.1	5.4	9.2	9.4	5.1	7.5	7.0	10.1	9.8	6.9	6.6	9.9	8.5	9.4	6.5	7.9
RQCD1	6.3	5.9	6.4	5.9	5.2	5.9	5.8	4.4	5.9	8.8	4.5	5.6	5.3	6.9	5.7	8.1	8.7	7.6	6.8	6.4	6.1	5.7	6.8	6.3	3.6	7.0	7.5	8.0	2.5	4.8	5.6	6.4	7.7	7.9	5.3	6.7	5.5	5.3	5.1	6.3
RRAD	82.1	36.6	21.2	61.3	33.3	106.1	31.2	39.5	43.7	76.5	62.2	52.7	42.4	35.7	47.2	53.3	26.7	19.1	31.5	43.3	22.4	38.6	26.6	34.0	22.4	69.5	36.6	20.3	29.4	24.7	32.9	71.6	10.2	26.1	23.0	30.1	10.2	20.6	38.0	32.0
RRAGA	24.9	25.7	25.9	28.9	34.9	29.1	25.0	27.8	31.6	23.2	28.2	29.7	30.2	38.3	33.0	28.9	24.8	28.6	27.7	32.6	30.8	29.3	24.6	25.6	22.6	22.8	29.6	23.9	25.6	28.9	22.4	30.9	30.6	30.8	26.9	25.9	31.3	23.8	28.2	24.2
RRAGB	1.8	3.5	2.9	2.9	3.6	2.7	2.2	2.5	3.8	3.1	4.9	5.2	3.1	4.3	5.3	4.6	3.5	4.5	3.6	3.8	3.1	2.9	3.9	4.8	3.4	3.0	3.1	3.2	2.6	3.9	2.9	2.9	4.1	3.9	2.8	2.6	2.7	1.8	3.3	3.5
RRAGC	6.2	6.9	6.0	6.0	7.8	4.4	4.5	6.1	6.1	5.7	6.9	4.9	7.0	8.6	7.8	5.4	5.0	5.7	4.8	7.5	6.2	6.1	7.5	5.8	4.5	6.3	9.0	7.9	5.1	5.5	4.7	6.7	8.6	8.0	4.5	7.5	6.7	8.3	8.8	6.5
RRAGD	14.5	12.2	12.8	12.7	12.1	11.0	13.2	13.1	11.6	9.9	13.5	10.1	10.8	11.4	7.0	11.6	11.1	12.3	10.2	11.2	11.2	10.9	15.2	12.3	8.0	10.0	10.2	13.1	6.7	8.6	8.3	11.0	6.8	9.4	10.1	9.1	11.3	8.8	9.8	14.4
RRAS	23.9	31.6	25.8	35.0	45.6	32.7	27.1	33.3	35.1	29.6	27.7	32.6	36.4	71.2	54.9	36.9	46.6	34.3	30.9	28.2	39.7	35.1	35.8	31.3	28.0	32.7	30.2	39.1	39.0	39.3	43.4	45.5	34.3	41.5	25.5	38.5	37.8	48.1	36.6	25.8
RRAS2	5.8	12.8	14.4	6.8	7.9	5.5	5.2	5.8	9.2	12.3	11.3	9.6	10.3	20.8	18.7	8.6	19.8	16.9	8.4	11.0	15.2	9.3	12.4	10.8	8.7	12.2	28.6	21.1	8.9	10.7	25.1	39.4	16.5	21.5	8.2	44.8	25.7	55.9	16.2	9.9
RRBP1	8.7	7.1	6.8	11.8	9.6	6.5	7.1	8.5	12.7	9.3	8.4	7.4	10.0	12.3	23.5	7.8	9.8	7.1	7.6	13.9	13.3	8.9	8.5	8.9	9.3	12.8	8.1	8.3	10.5	11.2	7.6	14.4	15.2	12.6	8.1	9.1	10.3	9.4	8.9	9.4
RREB1	3.6	3.2	3.1	3.2	3.7	3.6	2.7	4.1	4.4	3.5	3.9	3.8	3.4	3.2	3.1	4.0	3.0	3.5	3.6	4.5	3.8	3.5	3.8	3.8	2.4	4.2	2.6	3.5	2.0	1.9	2.9	3.2	3.5	3.1	2.7	2.2	3.2	3.1	3.3	3.9
RRM1	6.1	7.1	6.4	6.6	7.7	6.5	5.8	6.7	7.7	7.3	8.1	6.2	7.6	8.7	6.5	6.9	7.3	8.0	6.9	9.4	7.4	8.5	7.3	8.1	5.4	7.1	8.6	7.5	4.8	6.8	4.9	5.9	8.2	8.6	6.9	7.1	7.6	6.0	7.1	8.6
RRM2B	3.5	3.7	3.3	3.9	3.8	3.5	2.6	4.1	4.5	3.1	3.8	3.1	3.1	3.8	2.7	3.5	4.2	4.1	3.3	4.8	3.8	3.3	4.1	3.2	2.7	3.0	3.2	3.5	1.9	2.5	3.0	3.9	4.1	4.4	2.8	3.6	4.2	2.6	3.4	4.5
RRN3	4.9	8.2	9.3	6.2	11.1	6.1	3.9	5.4	8.0	7.6	7.5	9.9	6.9	5.8	7.3	4.7	6.2	8.4	6.0	8.9	9.6	5.1	11.2	6.3	5.2	6.1	10.0	7.6	4.3	6.6	8.1	6.8	10.0	9.2	6.8	12.2	11.4	6.6	11.6	6.3
RRNAD1	4.0	3.5	3.6	2.9	4.4	3.9	2.8	3.3	4.0	2.5	4.3	4.4	3.7	5.6	5.2	3.0	3.1	3.0	3.4	3.6	3.9	3.5	2.3	3.4	3.6	3.3	4.8	4.0	3.4	4.3	3.4	3.4	5.8	4.1	3.4	3.6	4.4	3.5	4.3	3.4
RRP1	3.3	3.1	3.1	4.3	4.0	2.8	2.3	2.4	2.9	2.9	3.4	3.8	3.4	4.6	4.2	3.3	2.8	3.5	3.5	4.0	4.3	2.5	3.9	2.1	3.5	3.2	4.3	4.1	2.7	4.8	3.1	3.7	6.1	4.9	4.0	3.2	4.3	4.7	3.9	2.1
RRP12	4.6	2.2	4.3	3.3	2.8	4.1	2.8	1.6	5.5	4.0	5.5	7.1	2.9	9.0	5.8	4.7	8.1	3.5	2.7	2.2	3.3	4.4	4.8	4.5	4.4	2.7	9.1	4.1	2.9	7.4	6.7	8.2	7.8	4.4	2.6	7.6	6.0	9.1	5.5	4.5
RRP1B	2.1	2.2	2.4	3.0	2.1	2.0	1.7	2.2	2.7	2.4	1.9	2.2	2.7	2.4	2.7	2.4	2.3	2.7	2.4	2.9	2.8	2.2	2.3	1.8	2.2	2.6	2.3	2.5	1.7	1.8	1.9	2.6	4.7	3.4	2.4	2.5	3.2	2.2	3.0	2.2
RRP36	7.4	8.8	9.3	11.2	7.4	7.8	8.4	8.7	10.6	8.1	9.0	7.2	9.2	10.3	10.7	9.3	11.0	8.7	7.9	8.4	10.8	7.3	9.0	9.1	7.1	8.8	10.1	8.3	8.9	10.2	8.1	9.0	10.5	10.3	6.8	9.3	8.3	8.3	9.3	9.0
RRP7A	2.5	3.0	3.3	3.6	3.6	2.9	3.1	1.8	2.1	2.7	3.1	2.8	4.1	2.8	3.6	3.2	1.3	2.3	2.9	3.3	2.8	2.0	2.0	2.0	1.6	2.6	4.1	2.3	4.0	3.1	3.1	3.2	2.8	2.9	3.1	2.8	2.3	2.3	2.1	2.0
RRP8	2.3	3.8	3.6	3.5	4.9	3.8	3.1	4.0	4.0	2.9	3.2	3.1	6.4	5.2	4.1	3.7	2.5	3.9	3.8	4.1	2.8	2.3	3.7	3.6	4.3	4.8	4.7	5.1	3.7	3.8	4.3	3.7	3.8	4.2	5.1	3.6	4.5	2.7	4.9	3.7
RRP9	1.6	2.6	2.9	2.7	2.7	2.6	2.0	1.5	2.4	2.7	2.2	2.4	2.5	3.4	3.7	2.4	2.0	2.7	2.6	2.3	3.2	2.2	2.4	1.9	2.4	2.1	3.5	3.1	2.9	2.7	2.9	3.5	3.5	3.3	2.6	2.3	2.6	2.7	2.9	1.8
RRS1	3.9	6.2	4.9	7.5	5.7	4.4	4.1	5.3	5.3	3.6	4.7	4.4	4.5	5.7	6.0	5.3	4.7	4.2	4.3	4.9	5.1	3.8	4.1	5.2	4.1	3.7	5.5	5.1	4.1	3.9	4.7	5.8	5.2	5.4	2.6	4.9	4.1	4.5	4.6	4.1
RSAD1	8.6	8.2	8.9	9.5	7.1	6.9	7.7	8.2	8.5	4.8	9.7	8.8	7.3	6.0	7.5	5.8	5.1	7.5	6.0	7.9	5.7	7.1	6.0	8.1	6.5	5.3	7.4	8.2	6.4	8.2	7.4	8.5	7.0	9.4	7.8	8.2	7.3	5.9	6.7	8.0
RSAD2	1.7	1.2	0.7	0.7	2.2	2.0	1.1	1.1	4.2	1.5	1.9	1.5	15.4	1.0	2.2	1.5	1.0	1.3	4.0	4.2	2.5	1.4	2.1	9.9	0.6	1.0	0.7	0.9	0.7	1.5	2.6	2.2	0.9	1.1	1.4	1.9	1.1	0.7	1.4	6.7
RSBN1L	1.5	1.8	1.9	1.7	2.2	1.7	1.7	1.7	1.9	1.7	2.3	1.5	1.8	2.6	2.6	1.6	2.1	2.6	1.5	3.3	1.7	2.0	1.7	1.7	1.3	2.2	1.9	2.1	1.2	1.2	1.5	1.6	3.3	2.3	2.5	2.5	2.8	1.6	1.8	2.8
RSC1A1	3.1	1.8	2.4	2.5	1.5	2.3	2.5	1.9	3.8	1.9	3.0	1.7	1.6	3.1	1.0	1.9	3.2	2.3	2.0	2.8	1.7	2.6	2.6	3.1	2.3	1.9	1.4	1.8	0.5	1.2	1.4	2.1	2.8	1.4	1.9	2.5	2.8	1.3	1.7	3.5
RSF1	3.5	3.4	2.8	2.8	3.0	3.4	2.8	3.4	4.4	2.9	3.4	2.3	3.1	4.4	2.5	3.1	4.7	3.8	3.5	5.0	2.8	3.3	3.4	3.3	3.0	4.0	3.0	3.1	1.7	2.9	3.3	3.2	6.2	4.2	2.6	4.5	4.6	3.7	3.8	5.0
RSL1D1	4.4	5.2	4.0	5.1	5.2	3.3	4.1	3.8	5.4	5.1	5.9	5.2	5.0	4.0	5.5	5.0	5.0	4.6	4.6	4.7	5.2	4.0	4.8	5.9	4.0	4.5	6.0	5.7	2.8	3.6	4.1	4.7	7.9	5.9	5.2	4.5	4.9	3.2	5.6	5.5
RSL24D1	19.2	22.5	16.2	21.3	19.3	18.7	19.4	17.9	20.7	18.8	21.2	21.2	24.3	20.1	27.7	25.2	20.6	23.2	19.0	21.5	23.0	19.3	26.1	18.7	17.4	22.2	25.4	24.3	15.0	20.8	18.0	25.4	35.4	24.3	28.0	18.7	24.0	18.5	26.2	22.6
RSPRY1	3.2	3.7	3.1	4.5	4.0	3.5	3.2	3.5	4.7	3.6	3.3	3.0	3.4	4.3	3.2	3.9	3.4	3.3	3.7	4.5	3.3	3.8	3.2	2.8	3.6	3.2	3.5	4.2	2.3	2.1	2.5	3.1	5.5	5.1	3.0	4.4	4.7	4.0	4.6	4.2
RSRC1	2.6	2.6	3.5	2.4	3.2	2.7	3.0	2.8	3.2	2.8	3.2	3.3	3.1	2.1	3.1	4.3	3.0	3.7	3.1	4.2	2.8	2.2	2.6	3.8	2.1	3.4	3.2	4.4	1.4	1.7	2.4	3.2	3.1	2.6	3.2	2.4	3.2	1.7	3.7	3.4
RSRC2	14.2	15.2	14.8	17.1	16.2	15.2	14.6	17.4	19.0	19.8	15.0	18.1	19.5	18.6	20.2	18.4	16.3	16.3	16.6	21.2	16.6	16.2	17.6	16.3	18.1	26.8	23.2	19.8	12.2	16.6	16.0	19.4	32.8	27.4	19.0	22.3	23.2	18.9	22.4	20.8
RSU1	8.3	8.9	7.9	10.1	10.1	6.6	7.4	7.7	8.4	6.0	8.3	6.3	8.6	11.5	13.7	6.6	7.2	7.8	7.5	11.8	10.9	7.8	6.8	7.4	4.8	8.5	6.2	8.2	8.4	7.8	7.2	9.8	10.0	7.4	6.4	7.1	8.1	7.9	7.9	9.2
RTCD1	7.1	9.0	8.6	11.8	9.4	6.9	7.6	6.7	6.9	7.1	8.3	6.9	8.5	8.2	6.5	7.6	6.9	7.9	7.2	7.4	9.1	8.1	10.0	8.0	4.5	4.6	8.0	6.4	5.3	7.4	5.8	8.2	5.9	7.1	5.7	7.4	7.7	6.3	7.2	9.8
RTF1	5.6	7.6	7.4	6.1	6.6	6.6	7.3	8.0	7.9	7.5	8.8	7.8	8.2	8.1	6.9	8.5	7.8	8.5	7.8	8.2	6.8	7.2	8.7	7.6	6.1	6.6	8.1	9.2	4.6	6.5	6.7	7.7	8.6	8.6	8.4	7.1	9.5	7.1	8.3	8.3
RTKN	1.8	3.1	3.4	3.1	2.3	3.3	1.7	3.0	3.6	2.4	3.2	2.9	3.6	3.7	4.6	2.5	2.5	2.6	2.3	4.0	3.1	2.6	3.5	2.2	2.8	4.0	3.7	4.0	3.3	3.8	4.0	4.5	4.4	4.6	4.5	4.2	5.2	4.3	3.6	2.7
RTN2	4.9	7.8	4.5	7.2	9.3	6.4	7.3	4.8	5.2	4.4	6.2	4.8	10.2	4.8	6.9	8.7	4.9	3.9	7.6	3.9	4.4	6.8	5.6	4.2	5.5	2.5	7.8	3.0	4.6	4.3	4.5	6.8	4.0	4.8	7.0	3.2	4.2	5.1	6.9	5.1
RTN3	11.9	12.2	9.6	11.6	17.1	11.9	11.6	12.7	20.2	14.9	15.3	13.8	22.6	26.7	27.6	16.7	19.3	15.3	15.3	17.2	32.5	19.0	20.3	12.9	12.1	17.3	20.2	17.8	17.3	18.0	22.1	23.5	22.9	20.0	14.6	21.0	19.7	37.5	26.4	14.4
RTN4	13.8	11.9	12.1	22.5	35.7	24.1	10.4	18.6	26.5	18.4	17.5	17.7	22.6	38.4	79.9	18.3	47.3	20.5	16.8	47.1	48.1	18.8	14.9	13.5	27.1	37.1	22.5	16.2	32.6	22.9	22.2	23.7	61.6	52.0	15.3	34.2	28.2	27.0	21.0	14.1
RTN4IP1	4.4	3.3	3.0	2.2	3.0	2.6	2.8	4.5	3.5	2.5	3.4	3.4	3.7	3.0	2.1	3.5	2.3	2.8	2.4	3.5	2.4	3.1	2.9	3.8	3.8	2.1	2.8	2.9	2.9	4.4	2.2	3.5	1.4	2.3	2.4	2.9	2.9	2.0	2.2	3.0
RUFY1	5.6	6.8	6.3	7.2	6.9	7.5	6.1	7.4	8.3	6.3	6.4	6.0	9.4	9.8	11.3	6.5	6.5	6.9	5.8	9.8	8.2	6.0	6.5	7.6	6.1	6.2	7.3	7.4	5.6	7.7	5.0	7.2	10.9	8.0	5.8	6.6	8.6	6.1	7.6	6.6
RUFY3	2.7	3.4	2.6	4.2	3.6	3.6	3.0	3.1	4.8	2.6	3.4	2.7	4.0	4.0	4.3	2.6	3.3	3.6	3.4	5.5	3.2	2.7	3.1	3.3	2.7	3.8	3.8	3.3	3.3	3.0	4.0	3.4	5.8	4.4	3.1	4.1	3.8	3.2	3.7	3.8
RUNDC1	2.4	2.4	2.5	2.9	2.3	2.3	1.9	2.8	3.3	3.0	2.2	2.0	2.8	3.0	3.0	2.6	2.1	2.3	2.2	3.0	2.7	2.5	2.4	2.5	2.0	2.2	2.5	2.1	2.0	2.4	1.9	2.4	2.7	2.7	2.1	2.1	2.0	2.6	2.2	2.4
RUSC1	5.8	4.8	3.0	5.4	6.6	6.4	4.1	6.1	7.8	4.4	5.1	5.3	8.5	7.2	10.3	5.4	4.5	5.3	6.1	6.9	6.7	5.4	4.5	4.9	5.5	5.7	4.5	4.4	6.7	5.3	5.1	4.7	7.1	7.3	4.8	3.7	5.5	5.3	5.4	3.4
RUSC2	6.4	6.1	6.7	5.3	9.2	7.9	4.1	6.6	8.7	7.9	7.0	8.5	7.9	8.9	12.3	7.5	8.3	7.0	7.2	9.0	8.3	7.4	7.0	7.3	8.3	8.0	9.5	9.2	6.2	5.6	8.1	9.0	10.6	13.5	8.5	9.5	9.9	11.2	8.6	7.1
RUVBL1	5.7	5.9	5.4	6.6	5.8	7.4	4.4	6.5	7.8	7.0	8.0	7.5	7.4	9.0	7.1	6.6	6.2	8.1	6.6	8.0	7.5	6.4	7.1	7.4	6.3	7.3	5.3	7.0	5.5	9.0	6.1	6.6	6.6	8.4	6.5	6.6	8.3	4.9	5.9	6.8
RUVBL2	12.5	16.0	12.8	16.5	13.3	15.1	12.4	15.7	16.7	16.4	15.2	19.6	18.1	20.6	19.4	15.9	15.3	16.5	18.3	15.9	17.2	14.0	17.7	16.6	14.8	15.9	19.8	19.5	13.9	17.6	17.5	17.2	15.0	17.4	15.4	16.6	15.6	15.9	16.6	15.3
RWDD1	19.3	24.5	25.2	35.1	21.8	20.3	20.6	22.0	22.6	21.6	20.0	17.4	21.1	19.0	20.7	20.8	22.4	19.6	18.9	19.2	20.3	17.6	19.7	18.3	16.0	18.5	21.1	22.2	14.1	20.6	15.8	23.1	24.2	21.6	21.1	20.2	21.1	14.3	20.9	18.3
RWDD2A	0.9	1.9	2.1	1.7	2.5	2.4	1.9	1.6	2.6	2.0	3.5	2.5	2.8	3.4	3.0	2.1	2.6	2.2	2.3	3.1	2.1	2.1	2.2	3.0	1.3	2.3	3.4	1.7	2.1	1.1	2.0	2.3	2.0	2.3	2.3	2.3	3.3	1.9	2.0	3.7
RWDD2B	5.5	4.9	4.8	4.6	6.9	5.7	5.3	5.8	6.5	3.9	5.1	4.5	6.0	6.4	5.2	4.2	3.5	4.9	3.7	6.3	5.8	4.5	6.1	5.5	5.2	3.9	4.0	5.1	3.5	6.7	4.3	4.7	4.0	4.9	3.5	5.8	5.0	2.9	5.9	5.9
RWDD3	6.1	5.7	4.6	6.2	5.9	6.0	5.0	5.7	6.5	6.0	5.6	7.0	7.2	8.0	6.4	5.3	6.2	6.0	5.6	5.0	5.7	6.3	5.4	6.1	6.8	6.2	5.9	5.7	4.3	7.9	7.6	6.7	5.4	5.6	6.7	6.1	5.8	5.3	5.7	6.1
RWDD4	5.2	5.8	5.5	5.9	6.7	4.9	5.3	5.6	5.5	5.2	6.5	5.8	6.1	6.0	6.2	5.1	6.3	6.2	5.0	8.2	5.5	6.1	5.4	5.1	4.5	4.8	5.0	6.3	5.4	5.0	4.7	5.9	6.1	7.0	5.9	5.5	6.5	5.2	6.4	5.0
RXRA	10.5	11.0	8.4	11.6	12.8	9.7	11.9	11.4	11.0	7.8	10.6	7.6	10.0	9.5	12.1	9.4	8.4	7.4	8.2	10.2	11.6	8.3	8.8	8.9	7.4	8.0	9.0	10.1	6.9	6.5	6.8	8.0	11.8	9.9	9.6	8.5	9.6	7.7	9.2	9.9
RXRB	6.9	8.1	6.9	6.4	8.4	7.8	6.4	7.6	10.7	8.0	9.7	9.6	8.4	9.8	11.9	8.8	7.7	8.5	8.8	11.7	9.8	8.7	8.3	8.7	7.7	8.4	8.7	9.4	8.3	9.2	8.3	8.3	10.6	11.0	8.7	8.4	10.4	6.6	9.0	8.8

SMCR8	2.5	2.9	2.7	2.3	3.1	2.6	2.2	2.9	3.5	2.8	3.2	2.8	2.9	2.8	3.0	3.3	2.8	2.8	3.1	3.6	2.8	3.2	3.6	3.0	1.7	2.5	3.2	2.5	1.6	1.5	1.5	2.3	3.5	2.9	2.4	2.9	3.4	2.4	3.3	3.5
SMEK1	6.7	7.8	5.7	6.2	6.5	5.9	5.7	7.6	8.1	6.7	6.2	6.0	6.9	8.7	6.5	7.1	7.2	6.3	6.1	8.1	6.6	5.8	6.6	6.0	5.6	8.0	7.9	7.9	4.9	7.0	6.4	7.3	12.4	11.0	8.2	8.8	9.8	7.0	9.7	7.9
SMEK2	4.8	4.7	3.5	5.2	4.5	4.8	3.7	4.7	6.7	5.1	5.4	4.1	5.9	5.9	5.6	5.6	5.3	6.1	5.6	7.7	6.8	5.0	6.1	5.0	4.6	5.5	5.7	5.6	3.0	4.1	4.6	5.1	11.0	8.0	5.0	6.0	7.3	5.3	6.9	6.2
SMG1	4.2	3.7	4.9	3.3	4.6	3.2	2.4	4.0	6.1	5.2	4.4	4.1	4.0	5.3	2.7	3.5	4.8	5.0	5.5	5.6	4.4	4.1	4.2	4.7	4.3	4.2	4.8	4.0	2.2	2.8	3.8	3.7	7.1	6.9	6.5	7.3	7.3	5.2	4.6	4.2
SMG5	19.3	23.8	16.7	18.3	25.7	15.3	15.6	18.4	25.0	30.8	25.4	20.4	27.7	30.6	22.5	24.6	23.7	25.0	25.5	18.3	23.6	23.5	27.2	21.6	15.6	21.2	26.8	29.2	18.8	20.4	22.4	23.4	20.8	29.1	20.4	26.7	27.7	28.7	28.4	19.0
SMG6	4.4	5.1	3.2	3.8	5.6	5.5	3.4	4.6	6.1	4.3	5.3	4.7	5.7	5.1	8.2	4.9	4.7	4.7	5.3	6.3	5.6	5.2	4.5	5.6	3.8	5.5	4.8	5.0	4.1	3.9	4.1	4.2	6.4	4.9	4.5	4.2	4.5	3.7	4.9	5.1
SMG7	9.1	10.1	7.8	9.3	9.5	9.3	7.0	12.0	11.6	9.1	8.5	7.7	9.2	10.3	8.5	9.0	8.5	9.1	9.5	9.9	9.2	9.2	11.2	10.5	6.8	8.9	9.2	8.8	6.9	6.7	7.9	10.1	9.3	9.3	7.1	9.4	10.0	8.9	10.1	10.6
SMN1	1.5	2.1	3.2	0.8	1.9	1.0	2.1	2.2	2.0	1.5	0.8	1.5	2.2	0.5	4.2	1.6	1.7	1.8	2.8	2.3	1.8	1.4	1.7	1.6	1.5	2.3	2.0	3.1	2.3	1.9	2.5	1.6	4.3	2.4	3.7	1.4	2.4	0.9	1.8	2.6
SMN2	1.9	3.2	3.9	0.9	3.3	4.1	2.7	2.9	2.1	2.8	5.1	3.0	4.1	3.3	5.4	1.7	3.1	1.8	3.3	2.7	3.4	4.1	2.1	3.2	1.7	2.8	5.1	4.9	3.3	2.0	3.3	2.0	5.0	2.8	3.8	2.8	4.6	3.7	2.8	3.6
SMNDC1	6.6	6.5	5.9	7.6	7.9	4.5	4.7	5.1	7.3	7.1	6.7	6.7	8.8	7.5	8.5	7.4	6.7	7.5	6.5	7.5	7.5	6.8	7.2	6.5	6.1	8.1	8.6	7.2	5.2	7.6	6.2	7.1	10.6	8.4	6.1	6.5	7.9	6.0	7.8	7.4
SMOC2	5.4	11.5	7.4	6.5	10.9	9.2	7.9	7.9	26.0	15.1	15.7	10.3	60.2	22.1	38.4	20.1	37.0	18.0	12.0	33.0	24.2	22.9	23.8	13.5	20.4	32.2	13.0	33.5	39.2	30.2	10.2	29.7	33.2	43.4	11.4	24.7	43.8	25.4	30.7	22.5
SMPD1	12.0	11.4	12.1	13.2	13.8	10.1	9.5	12.4	14.2	11.2	11.0	9.6	13.2	17.1	12.4	14.4	12.2	9.7	9.5	10.3	11.7	11.6	13.2	10.9	9.0	10.0	11.6	11.0	9.6	10.6	9.3	11.9	9.1	11.0	9.3	10.2	10.3	8.6	9.9	10.4
SMPD4	6.6	8.0	6.0	7.7	10.9	8.0	7.9	7.6	7.8	6.8	6.7	6.8	7.4	8.0	9.4	7.0	6.4	6.9	6.5	7.7	7.8	5.3	6.8	7.1	7.5	6.9	8.7	8.8	6.7	8.8	8.4	7.5	10.3	9.0	9.3	7.7	10.1	8.4	9.2	7.0
SMPX	219.0	395.7	265.0	189.7	236.9	219.2	226.7	213.8	198.2	220.3	224.5	204.3	203.3	245.9	145.0	247.8	273.5	217.1	246.1	178.9	209.3	224.7	314.7	223.2	195.4	193.1	312.2	263.5	144.4	286.9	273.8	273.0	137.2	202.7	255.4	271.5	252.6	267.6	366.8	229.5
SMS	13.2	11.5	12.2	12.7	14.7	11.9	12.0	16.0	15.7	15.1	16.3	16.1	21.1	23.8	16.9	22.1	21.5	19.6	13.9	17.1	17.5	17.4	18.9	20.8	13.0	12.8	17.8	16.5	12.2	16.0	10.9	19.8	15.8	15.4	15.7	13.5	18.9	17.4	16.5	17.0
SMTN	25.5	25.5	17.6	15.7	29.6	28.9	23.7	24.3	21.8	15.8	21.5	19.3	19.4	21.2	25.2	20.9	13.1	19.8	20.1	23.0	19.0	20.5	17.2	18.6	22.9	24.7	20.1	28.9	17.9	33.5	26.3	24.9	26.2	32.4	25.7	22.7	27.2	18.3	31.0	20.8
SMTNL2	4.5	4.0	4.7	10.8	6.2	7.2	5.2	4.7	4.1	1.3	6.0	4.0	4.2	3.5	3.0	4.2	2.6	2.0	3.5	3.2	3.0	2.5	1.0	3.0	2.8	2.2	2.0	2.6	2.9	3.9	2.9	3.0	0.9	1.4	3.1	1.0	2.1	1.5	1.1	2.3
SMU1	4.3	3.9	3.7	3.5	3.8	3.0	3.0	4.2	4.4	3.9	4.1	4.1	4.6	4.3	4.8	4.0	3.8	4.3	4.0	5.3	3.9	3.7	4.0	3.9	2.6	3.9	4.7	4.5	2.5	3.8	3.2	3.7	5.2	5.1	4.2	4.2	4.6	3.3	4.1	4.4
SMUG1	2.0	2.7	2.7	2.5	3.5	2.5	3.0	2.5	3.3	2.4	3.0	2.3	3.0	4.3	3.0	3.3	2.4	2.7	2.7	3.4	2.4	3.4	2.2	3.1	2.9	2.4	3.3	3.8	3.0	2.9	2.8	3.7	3.2	3.1	2.6	3.2	3.7	3.1	3.6	3.3
SMURF1	3.2	3.3	2.8	3.3	4.4	3.5	2.4	3.2	4.1	4.0	3.1	3.3	3.2	4.4	5.5	4.0	3.9	3.7	3.4	4.5	4.8	3.6	3.7	3.4	2.9	5.7	4.2	3.8	3.2	3.4	3.3	4.3	7.0	5.3	3.3	4.1	5.2	4.9	5.1	3.7
SMURF2	2.2	2.0	1.8	1.6	2.2	1.8	1.7	1.9	3.1	2.8	2.1	1.8	2.1	2.7	2.4	2.6	2.5	2.8	2.8	3.3	2.5	2.0	2.0	2.1	2.0	2.9	1.9	2.7	1.5	1.3	1.8	2.1	4.5	3.8	2.1	3.1	2.9	2.1	2.3	2.6
SMYD1	73.8	86.9	83.8	67.6	91.5	71.2	63.7	105.2	41.5	42.1	60.1	34.3	50.0	64.3	34.6	44.6	47.3	56.8	53.4	45.3	34.0	47.1	37.6	40.0	23.3	41.1	60.7	51.0	25.9	44.2	51.4	34.7	23.0	44.3	46.9	50.4	44.8	43.2	44.2	50.9
SMYD2	102.0	103.9	104.9	89.6	88.0	81.7	100.9	119.9	94.0	153.2	120.6	109.1	161.4	190.0	81.3	119.2	147.6	145.4	134.4	60.3	79.6	103.5	143.5	110.3	55.5	105.7	144.6	158.9	89.7	151.2	114.8	123.0	71.4	126.0	95.7	95.4	118.7	104.8	121.6	109.8
SMYD3	2.0	1.7	1.3	1.8	2.6	3.4	1.2	1.9	2.1	1.6	2.3	2.3	2.3	2.7	2.5	3.3	1.0	1.9	1.8	2.9	2.5	3.0	1.4	2.1	2.3	1.7	2.7	2.6	2.0	3.3	1.7	2.7	3.6	2.1	2.6	1.8	1.8	1.3	1.8	2.2
SMYD5	4.5	3.8	4.1	5.0	4.4	3.8	4.2	4.0	5.0	4.6	5.1	6.1	5.2	7.0	5.6	3.7	4.1	4.7	4.3	4.9	5.7	4.6	5.8	5.1	3.2	4.2	3.2	5.7	4.0	4.5	6.3	5.5	4.5	4.7	3.6	4.5	5.3	5.5	3.7	4.2
SNAI1	1.0	0.2	0.5	0.8	0.3	0.6	0.6	0.3	0.9	1.9	0.1	0.4	1.9	3.4	3.5	2.3	1.2	0.5	1.0	2.0	0.7	1.5	0.3	0.4	2.7	2.8	1.3	1.6	0.6	3.5	0.4	2.1	10.9	5.2	0.3	1.4	1.1	3.7	2.8	0.6
SNAI2	1.1	1.2	2.2	1.1	2.2	1.8	1.1	2.6	1.9	0.7	1.7	1.0	1.5	1.7	6.3	0.8	1.6	1.7	1.9	2.6	3.6	1.6	2.4	1.2	1.1	3.8	2.0	3.5	5.5	1.1	2.6	3.7	4.6	3.7	3.0	2.1	3.2	1.3	3.9	4.9
SNAP23	10.4	11.6	9.2	9.4	14.9	12.2	10.2	10.2	14.8	11.3	12.0	12.3	15.0	14.0	15.0	13.7	12.2	13.6	9.7	13.5	12.3	10.6	11.7	12.6	10.3	11.5	15.7	14.5	10.0	11.2	13.6	13.6	18.8	16.5	9.0	11.9	15.3	12.5	15.3	11.6
SNAP29	5.7	4.3	4.8	5.6	6.5	4.7	4.9	6.2	5.5	5.7	3.0	6.1	5.9	6.1	6.4	6.2	5.9	5.6	5.7	6.4	6.4	6.3	5.3	5.5	3.8	5.3	3.1	4.9	4.4	4.2	4.0	5.3	5.8	6.1	4.9	5.5	4.9	5.4	5.7	5.8
SNAP47	5.7	6.1	5.0	6.6	8.0	7.1	5.2	6.1	18.1	14.7	13.6	18.3	12.6	12.8	11.9	14.5	12.5	11.6	11.8	9.3	16.0	17.5	19.1	20.5	8.3	15.3	17.5	12.7	7.9	15.8	11.1	9.4	11.2	15.2	9.2	8.6	14.0	12.7	14.8	12.2
SNAPC1	3.1	2.8	2.0	1.3	1.8	2.9	1.6	2.8	2.3	2.2	2.4	2.4	3.3	2.4	1.7	2.4	1.6	2.8	2.5	3.4	2.6	2.7	2.2	2.6	1.3	4.2	2.0	2.6	1.5	2.4	1.4	2.3	3.2	2.9	2.7	1.7	2.4	1.7	2.8	2.5
SNAPC2	2.1	2.8	2.2	4.2	2.6	2.9	1.9	2.4	3.6	2.2	2.7	3.3	3.6	3.5	4.2	3.5	2.3	2.3	2.8	2.6	3.4	2.4	2.5	3.0	2.4	2.0	3.2	2.7	2.6	2.1	2.4	3.9	3.7	2.0	2.6	2.2	2.3	2.8	2.2	1.8
SNAPC3	5.2	5.1	5.1	4.8	5.0	5.0	3.8	4.4	6.5	5.7	7.0	5.1	5.1	5.9	4.9	7.8	4.2	7.4	5.4	7.1	6.2	5.9	4.0	5.6	4.3	5.2	6.6	6.7	3.8	4.2	5.1	7.0	4.3	6.1	4.9	5.9	6.7	6.0	4.5	6.0
SNAPC5	1.5	2.4	2.7	1.8	1.5	2.8	2.4	3.0	2.4	2.1	2.3	3.0	1.8	2.8	1.6	2.3	2.9	3.2	1.9	2.6	1.6	2.3	3.2	2.9	2.6	1.6	2.9	1.9	1.2	1.9	1.9	2.5	2.5	1.9	2.4	2.8	2.6	1.4	3.4	2.7
SNAPIN	23.6	24.8	22.7	22.5	26.2	23.2	21.0	19.7	24.7	20.9	26.6	25.3	23.7	30.3	24.2	20.9	23.5	26.8	23.0	24.3	25.0	24.4	23.0	24.8	18.4	14.6	25.0	27.4	18.7	25.1	22.0	26.4	17.7	25.2	21.4	22.5	25.4	25.7	23.8	22.4
SNCA	0.6	1.1	0.3	0.7	1.0	0.4	0.5	1.0	1.7	2.0	1.0	2.5	1.4	1.5	3.2	1.1	3.6	1.7	0.7	2.0	1.5	1.3	2.5	2.8	1.3	2.1	0.6	0.9	0.8	1.1	0.9	1.2	1.3	2.4	0.7	1.2	0.8	1.6	1.8	1.9
SNCG	6.7	6.1	7.6	9.6	7.1	6.9	9.8	7.6	9.5	4.1	6.7	5.8	7.4	4.6	17.0	5.0	6.9	4.7	8.7	5.4	9.6	5.8	6.6	4.1	4.0	4.5	4.2	6.1	5.1	6.9	7.2	4.9	11.4	3.3	6.3	5.1	5.1	5.1	7.9	6.4
SND1	16.3	16.6	14.6	22.5	19.6	15.2	16.3	17.1	15.3	15.7	16.0	16.8	14.6	17.7	20.9	14.5	15.5	13.7	14.6	21.2	21.4	19.1	16.0	19.2	11.1	15.1	16.3	15.7	12.6	14.0	12.2	17.0	21.1	17.8	11.9	16.1	18.5	20.4	17.0	19.6
SNED1	0.6	1.4	1.3	1.2	2.4	2.2	0.8	1.3	3.2	3.2	1.9	1.9	2.6	1.8	5.6	1.5	3.5	2.7	2.7	3.5	3.0	1.5	0.9	1.3	2.4	3.0	2.3	1.8	2.7	1.4	1.3	1.4	12.5	4.2	2.1	2.5	2.1	2.7	2.0	1.0
SNF8	16.0	17.7	16.6	17.8	18.7	15.8	17.2	16.5	17.5	14.8	15.2	18.2	17.9	18.4	15.6	14.7	17.9	13.9	16.8	14.8	14.7	12.8	16.5	15.5	13.8	12.5	16.8	15.8	14.2	16.8	15.9	17.5	17.8	16.4	16.6	17.5	15.6	17.7	17.1	15.6
SNHG1	2.5	4.2	2.5	3.2	2.7	2.0	3.1	2.9	3.5	2.6	3.5	3.9	3.1	4.7	4.5	3.8	3.1	2.1	3.2	3.8	2.8	1.8	2.8	3.5	4.1	4.0	4.0	4.9	2.5	2.6	5.3	3.1	7.3	3.8	3.6	3.4	3.5	3.0	3.4	2.7
SNHG5	17.5	19.7	21.5	18.3	59.0	16.7	5.8	4.9	25.5	3.0	14.1	25.2	27.3	28.9	30.2	5.0	16.8	22.7	20.9	31.3	22.2	16.9	4.4	3.9	26.3	6.8	15.6	5.5	26.0	24.1	18.5	5.3	39.3	29.9	39.6	23.7	20.8	14.5	8.4	4.9
SNHG6	28.5	33.5	23.6	34.6	40.8	26.4	34.3	25.7	24.0	18.4	26.2	24.8	26.5	37.6	41.5	24.5	23.6	20.7	21.4	23.3	24.1	23.5	26.5	24.4	26.5	31.8	38.1	34.5	18.6	42.5	32.4	28.3	39.9	25.7	35.9	28.2	36.4	23.8	36.2	30.6
SNHG9	2.4	2.6	2.3	3.9	2.1	1.6	1.2	1.9	3.1	3.9	6.4	5.2	1.9	4.6	3.6	1.3	3.7	2.3	2.7	5.7	1.4	0.3	1.6	2.4	5.2	3.2	3.9	2.3	2.2	1.4	3.2	1.6	4.8	3.5	5.0	3.2	1.0	0.4	2.0	1.9
SNIP1	3.0	2.2	2.0	1.8	3.3	2.1	2.1	2.3	2.7	2.2	1.9	2.7	2.1	2.9	2.9	2.7	2.3	2.4	2.3	3.5	3.2	2.3	2.2	2.5	2.2	2.2	3.6	3.5	2.0	3.1	2.2	2.4	4.0	4.0	2.2	3.5	3.8	3.1	3.7	2.8
SNN	9.0	8.2	8.6	8.1	10.9	9.2	5.1	7.9	6.4	9.8	11.0	10.6	8.7	13.7	10.6	13.4	11.1	13.2	6.9	11.0	11.8	11.9	6.2	10.1	4.5	7.8	10.7	13.0	5.7	7.0	9.0	10.1	12.2	14.2	5.3	15.3	14.0	16.0	9.0	6.4
SNPH	1.8	1.8	1.6	2.2	2.2	2.9	1.9	2.6	3.4	1.8	2.2	2.6	2.8	3.0	3.1	3.0	1.8	2.1	2.6	3.8	1.9	2.9	2.4	2.7	2.5	1.6	2.0	2.0	2.4	1.8	2.0	2.3	1.3	2.1	1.6	1.6	1.6	1.7	1.8	2.4
SNRK	6.3	5.6	4.8	4.1	8.2	5.6	4.3	4.8	8.5	6.8	5.7	5.1	6.4	9.2	7.3	12.8	8.1	8.5	8.3	12.0	6.6	5.8	5.8	5.1	6.2	8.4	5.7	6.8	4.1	6.9	5.1	6.4	21.5	11.1	7.2	11.0	9.7	6.2	6.0	7.3
SNRNP200	16.9	18.0	14.2	15.3	18.4	15.0	12.7	14.4	17.9	15.9	16.8	15.7	18.2	17.0	17.0	17.2	15.9	17.0	16.4	19.9	16.0	17.9	15.9	17.9	11.0	16.4	20.7	17.6	11.2	13.0	14.2	15.9	23.1	18.1	14.9	16.5	18.6	15.4	18.6	20.3
SNRNP25	20.4	20.9	19.2	20.2	22.0	26.2	20.2	24.7	17.1	15.8	23.1	19.8	20.5	18.7	14.4	16.6	16.3	21.4	20.9	18.2	17.6	16.8	15.1	20.3	15.3	12.9	24.1	15.0	16.1	21.7	20.2	17.5	11.3	21.5	24.5	16.6	20.7	11.3	14.1	18.3
SNRNP27	6.5	6.1	6.4	6.3	5.8	5.7	5.6	6.0	5.1	5.5	6.0	6.5	6.2	5.6	6.3	6.6	5.9	7.4	5.4	7.5	6.3	6.1	7.8	6.0	3.9	4.9	6.5	8.4	4.4	4.4	6.4	6.6	7.0	7.4	8.3	7.0	6.4	6.2	7.7	7.4
SNRNP35	17.2	15.2	12.2	17.2	12.8	11.8	13.5	15.4	14.6	10.0	15.6	9.4	11.7	12.9	14.9	10.6	9.5	10.3	9.8	11.2	9.9	8.5	11.8	10.6	13.1	10.1	16.2	12.4	8.0	12.4	15.2	11.8	9.3	9.9	13.3	10.5	10.7	8.6	10.5	14.4
SNRNP40	4.6	5.4	5.2	5.2	5.1	4.8	3.9	4.1	7.2	5.0	5.5	5.0	6.0	5.9	7.6	4.8	4.8	6.4	4.1	6.5	6.7	5.1	4.8	5.2	4.5	5.4	5.1	5.5	5.3	5.3	4.8	5.1	8.1	7.7	4.9	5.6	6.8	4.3	5.0	5.6
SNRNP70	31.7	36.9	31.9	41.0	36.1	36.0	28.3	32.0	41.8	37.9	34.2	40.4	39.9	36.8	45.7	33.6	37.8	31.1	38.5	42.0	38.2	34.1	34.3	31.2	43.2	41.7	47.1	40.9	32.9	39.1	39.9	38.4	71.5	43.3	50.1	33.3	44.5	37.8	45.9	32.1
SNRPA	8.7	6.9	7.5	7.9	9.6	8.2	7.6	7.3	9.4	7.4	9.1	10.1	9.0	9.9	15.0	8.7	9.6	9.3	8.0	9.4	8.3	8.3	7.7	9.9	9.2	10.4	9.2	9.3	9.5	12.1	10.1	9.4	12.6	9.9	10.0	7.3	9.1	7.4	8.7	8.6
SNRPA1	6.6	6.8	5.9	11.2	7.1	6.6	7.2	8.6	10.3	7.7	6.0	9.0	8.9	13.2	10.3	10.2	10.1	8.5	6.9	8.4	7.3	6.5	8.0	8.9	7.6	8.4	6.6	12.3	9.0	10.7	9.8	12.3	8.6	8.9	6.8	7.3	9.0	8.7	7.6	9.7
SNRPB	11.6	12.8	12.3	13.7	14.6	11.3	13.5	10.9	13.9	11.2	12.2	13.5	13.3	15.1	17.5	11.5	12.7	11.1	10.0	14.2	14.1	10.7	10.5	11.4	14.0	10.8	13.3	11.9	11.2	18.9	12.3	15.2	24.2	15.7	13.9	12.2	12.4	13.8	16.8	12.5
SNRPB2	6.6	5.9	6.8	6.4	5.3	5.7	6.2	5.6	7.0	7.5	7.8	6.7	7.7	7.8	7.6	7.3	6.1	7.6	6.7	7.7	7.2	6.5	8.1	5.6	4.8	7.8	8.1	6.5	5.3	7.0	7.1	7.6	8.2	8.1	8.0	6.8	5.9	6.1	7.7	6.7
SNRPC	39.7	43.4	36.7	42.0	45.4	43.2	36.8	40.3	35.7	32.2	36.9	35.5	42.6	39.1	34.8	37.1	36.3	31.7	35.8	30.5	35.8	33.0	36.5	35.2	34.3	28.5	44.6	37.1	23.7	40.8	41.1	39.5	30.8	33.4	39.9	32.5	43.0	32.0	38.0	36.8
SNRPD1	2.3	2.1	2.2	2.6	1.7	1.2	2.0	2.3	2.4	2.0	1.8	2.5	2.1	2.2	3.0	2.2	2.7	2.9	2.8	2.3	2.3	2.0	2.0	2.4	2.2	2.2	1.5	2.1	1.6	2.6	2.2	3.1	3.9	2.6	3.3	2.3	2.4	2.0	2.2	2.6
SNRPD2	42.8	45.4	40.2	49.1	44.8	38.2	42.9	45.9	42.5	38.0	42.8	49.3	47.6	50.0	51.7	42.1	46.0	52.3	43.1	49.2	46.5	37.7	44.3	46.8	39.6	41.6	51.4	51.0	41.2	54.3	42.9	45.0	53.3	45.4	56.4	41.8	44.0	34.6	46.6	40.0
SNRPD3	22.4	21.5	20.3	21.4	15.8	18.1	19.7	21.4	22.6	21.2	25.3	23.0	20.8	18.6	23.7	20.4	23.4	23.6	22.2	24.0	19.5	20.7	22.2	21.7	16.2	21.0	22.8	28.0	12.6	24.1	20.7	22.3	20.7	21.9	22.4	17.4	20.6	19.1	20.8	23.2
SNRPE	5.6	6.0	4.3	4.8	5.1	4.1	4.9	4.5	6.9	4.5	6.1	6.7	6.7	5.6	7.9	5.2	5.5	6.1	4.8	6.3	6.5	4.3	5.3	4.4	4.7	5.4	4.9	4.4	4.0	8.7	7.5	6.6	8.1	8.1	5.9	6.2	7.0	5.2	6.3	6.2
SNRPF	11.2	7.9	8.7	9.3	6.0	7.1	7.6	7.3	7.7	9.2	12.6	9.4	8.4	8.7	11.1	8.0	6.7	9.0	10.7	10.4	9.1	6.8	9.1	7.4	7.6	9.1	12.1	9.2	7.6	9.8	15.4	9.2	11.9	10.4	9.1	9.6	9.5	7.5	8.8	8.8
SNRPG	29.7	28.9	32.1	38.0	27.8	22.0	29.0	26.7	26.9	24.1	24.3	27.0	29.2	23.3	31.2	28.5	26.4	27.8	30.9	29.1	27.7	25.8	24.9	22.2	25.2	24.6	32.4	32.0	22.8	32.5	32.3	33.1	27.9	27.9	30.7	29.9	32.8	29.4	26.4	22.4
SNRPN	81.4	86.0	88.6	95.4	84.3	93.2	99.8	100.4	86.5	94.3	103.1	128.5	99.7	104.9	74.3	102.3	86.4	107.1	107.7	92.1	84.9	90.4	101.0	101.1	80.1	74.9	100.2	127.8	72.2	110.1	83.4	95.2	54.3	89.0	92.7	90.9	91.8	91.4	90.4	85.9
SNTA1	54.5	64.4	48.1	32.2	66.8	53.6	46.6	41.8	40.2	45.0	50.2	47.4	54.8	49.2	33.7	54.2	43.7	35.9	49.0	37.8	40.8	43.2	45.4	41.6	41.5	37.9	64.0	51.6	34.7	58.6	51.6	45.5	36.2	49.5	66.8	43.9	63.3	43.7	49.2	44.2
SNUPN	4.6	3.5	4.0	3.6	3.8	4.8	3.4	3.9	4.7	3.5	3.7	3.9	5.1	4.8	5.7	4.6	3.8	3.6	4.2	5.8	4.6	3.5	3.8	4.1	3.9	5.7	4.3	4.2	4.5	6.7	4.3	5.0	5.7	3.3	3.7	3.0	4.9	3.4	4.2	4.1
SNURF	81.9	83.3	86.1	96.4	75.2	87.1	97.0	91.3	78.5	92.4	103.9	133.5	96.0	91.0	68.5	95.4	80.1	102.4	109.2	89.4	77.1	80.3	101.5	99.8	69.5	66.6	93.2	125.3	70.6	104.4	78.8	92.5	51.3	87.9	84.8	91.7	86.4	85.2	87.9	81.7
SNW1	10.9	13.4	14.2	14.4	16.2	13.1	11.1	12.4	16.4	15.1	15.0	15.5	16.6	17.2	18.8	14.8	15.2	15.2	13.4	16.9	14.1	13.0	15.0	14.5	11.5	14.8	15.8	15.7	10.6	16.2	11.4	15.3	19.2	15.5	13.5	13.2	15.1	13.0	15.1	15.3
SNX1	7.3	6.8	6.9	9.1	8.5	6.7	5.6	6.7	8.4	6.8	8.5	7.4	7.5	7.0	7.9	6.7	7.6	7.7	7.8	8.9	7.9	6.9	6.7	7.1	6.1	6.7	8.1	7.6	5.9	6.2	6.3	7.3	9.5	9.1	7.7	7.5	8.4	7.0	7.3	8.3
SNX11	2.3	2.7	3.5	2.9	2.6	2.5	2.0	2.0	2.4	2.9	2.9	3.2	3.5	4.1	3.5	2.2	3.1	2.9	2.9	4.0	4.6	2.4	3.0	2.3	1.9	2.0	2.4	3.1	2.9	3.6	2.5	2.3	4.4	3.5	2.6	3.7	3.0	3.2	2.9	2.6
SNX12	11.5	10.9	10.5	10.6	11.1	10.4	9.9	8.9	12.0	10.0	11.9	11.5	7.1	9.7	12.2	9.0	10.7	11.3	11.0	13.0	10.7	8.9	9.8	11.5	5.1	9.8	10.0	12.2	7.1	6.9	8.4	9.5	11.7	9.9	9.4	9.6	11.4	9.3	12.4	10.5
SNX13	5.1	5.1	4.5	4.5	3.7	3.7	4.6	4.7	5.5	4.7	5.7	3.4	3.8	4.9	2.4	4.0	4.8	4.2	5.0	5.0	5.5	4.5	6.0	4.8	2.5	4.9	5.4	5.1	2.0	3.9	4.4	4.2	5.5	4.8	4.9	5.1	5.7	4.2	5.7	6.8
SNX14	5.6	5.2	4.4	5.0	5.9	4.8	4.2	5.2	6.6	4.8	5.9	5.2	6.0	6.4	5.6	5.4	6.1	6.8	5.9	7.2	5.5	5.4	5.6	5.4	4.3	5.2	4.4	4.5	4.4	5.3	4.5	5.2	7.4	5.6	4.6	4.5	6.7	4.4	5.7	5.9
SNX15	1.7	2.2	2.4	2.3	3.1	2.5	1.7	1.6	2.2	1.5	3.0	2.8	2.1	3.8	4.3	2.5	1.0	1.9	2.4	4.3	3.3	2.3	1.6	2.7	2.3	2.0	3.4	1.1	2.7	2.9	1.9	2.5	3.9	2.5	3.5	2.1	2.4	2.8	1.8	2.2
SNX17	14.2	14.7	14.1	14.5	17.8	16.9	12.0	15.9	17.3	15.4	17.2	17.3	20.8	26.3	23.2	14.0	19.4	17.2	17.5	19.2	19.3	16.2	15.0	15.6	12.6	14.9	15.7	16.1	16.8	18.8	14.3	16.6	19.2	19.3	14.7	15.5	19.4	19.7	15.6	13.8
SNX18	4.0	3.1	2.9	2.4	4.9	3.0	2.5	3.5	4.7	3.1	3.5	3.8	4.3	4.3	5.4	3.1	2.7	4.3	4.2	5.6	3.5	3.5	2.5	3.8	3.5	3.0	3.3	3.6	2.8	2.0	2.5	3.4	4.5	4.3	2.9	3.6	3.6	2.4	3.3	3.6
SNX19	11.9	9.3	9.5	11.3	10.7	8.4	7.1	10.9	12.0	12.4	11.4	10.1	8.8	11.5	8.0	10.7	9.2	11.6	10.3	11.0	11.3	10.4	10.3	12.7	7.4	10.2	11.0	11.7	5.9	7.0	8.7	9.7	10.9	13.1	10.5	11.7	13.0	10.9	9.4	13.7
SNX2	9.5	9.6	9.4	9.9	10.7	11.5	9.2	9.4	12.8	10.2	9.9	8.4	15.2	10.3	15.9	10.8	10.4	10.2	11.0	14.7	11.1	9.5	9.6	10.3	6.7	10.8	11.5	10.7	8.6	8.4	8.3	9.5	21.1	10.8	8.5	8.5	10.3	7.6	13.2	12.6
SNX21	3.9	3.7	2.7	2.7	3.2	5.1	3.1	3.9	4.8	2.6	4.7	4.0	4.4	3.9	6.4	3.0	3.3	3.7	3.5	5.2	4.7	2.9	3.9	3.8	2.9	4.1	3.3	3.5	3.4	3.8	3.2	3.0	4.1	4.1	2.9	2.4	3.2	2.4	3.0	3.3
SNX25	3.3	2.7	2.7	3.0	3.2	2.6	2.6	2.8	3.2	3.3	3.0	2.9	3.0	2.7	2.5	3.5	2.6	2.8	2.7	3.0	3.0	2.9	3.1	2.9	2.4	2.5	3.1	3.1	1.7	1.8	2.5	3.5	3.9	3.2	2.7	2.9	3.1	2.7	3.0	3.1
SNX27	3.5	2.9	2.6	2.9	2.6	2.5	2.4	3.3	3.3	2.9	3.3	2.4	3.0	3.8	3.0	3.2	2.5	3.1	3.0	3.3	2.9	2.3	2.9	3.1	2.5	3.0	3.3	3.1	2.8	2.5	2.6	2.9	4.4	4.1	2.8	2.6	4.1	2.6	3.6	3.6
SNX3	72.9	64.9	71.7	79.1	78.5	68.7	67.1	64.0	67.0	82.2	77.6	67.6	94.3	90.8	82.3	79.6	81.2	82.1	77.0	74.7	86.6	70.9	77.7	67.5	48.9	70.3	80.6	87.5	62.3	77.2	67.4	80.3	71.9	79.6	69.2	68.9	75.7	65.2	71.6	74.9
SNX33	2.4	3.0	1.8	2.6	4.2	3.8	1.9	3.4	5.7	2.9	3.0	3.2	4.0	3.4	7.6	3.7	3.3	3.6	3.3	5.9	5.2	3.8	2.7	3.0	2.9	4.3	3.3	3.8	2.9	2.0	2.7	3.2	6.7	4.8	3.5	3.8	3.5	3.6	3.8	3.7
SNX4	5.2	6.2	6.0	5.8	6.6	4.6	4.9	5.4	6.3	5.3	5.2	5.1	6.9	7.3	6.4	5.6	5.4	6.5	4.5	6.9	4.8	4.8	5.3	4.8	4.3	5.8	4.8	6.7	4.9	6.0	4.7	6.1	8.2	6.3	5.7	5.6	6.9	5.8	5.9	6.1
SNX5	16.3	13.5	12.0	11.0	13.9	14.1	12.0	14.3	19.7	14.4	16.1	15.8	19.1	19.2	21.7	14.3	14.1	16.9	15.8	19.5	17.4	15.2	16.0	14.9	13.1	15.7	14.9	17.4	12.6	15.6	12.2	16.5	22.7	15.1	15.8	13.0	16.2	11.3	15.1	15.8
SNX6	14.2	10.3	10.3	11.8	14.9	9.9	10.9	12.4	12.9	10.1	11.3	12.1	15.3	15.4	13.7	9.6	10.8	12.3	9.4	15.5	14.8	11.5	11.5	11.5	8.2	11.7	10.4	10.2	10.5	8.9	8.9	11.8	13.5	13.7	9.3	9.5	11.7	11.1	10.6	12.2
SNX7	5.7	6.5	4.3	4.4	5.4	5.1	4.3	6.2	5.5	4.3	5.7	5.5	5.3	6.6	7.2	4.6	5.5	3.6	3.0	5.7	6.4	5.4	6.6	6.2	4.4	5.1	5.3	5.6	4.0	4.0	3.5	4.0	6.4	4.4	3.6	5.4	4.9	4.2	7.1	5.8
SNX8	3.1	2.5	2.9	2.7	2.8	2.6	2.0	2.2	3.4	2.8	4.7	3.2	3.0	3.7	3.6	2.7	3.2	2.6	3.3	3.2	3.4	2.9	3.2	2.7	2.6	2.5	4.4	3.8	2.7	3.3	2.0	2.9	4.7	3.7	2.2	2.9	2.4	3.1	2.9	2.2
SNX9	10.9	9.4	9.3	10.4	15.0	11.5	8.6	10.5	12.9	10.1	10.4	9.5	11.2	12.4	18.8	13.5	12.5	11.0	10.9	13.9	12.4	11.1	10.5	9.2	9.1	14.0	11.2	11.4	9.8	8.2	8.6	11.9	19.7	14.0	9.2	9.4	11.3	11.0	11.5	11.2
SOBP	3.0	3.4	1.9	3.3	4.1	4.0	2.1	5.1	4.1	3.9	3.5	4.1	3.9	5.6	5.3	4.0	4.7	4.2	3.9	5.1	3.8	3.5	4.4	4.9	3.5	4.5	3.3	3.7	3.7	2.9	2.8	3.4	3.1	4.7	2.9	2.7	4.0	3.2	4.6	3.7
SOCS1	0.3	0.4	0.9	0.5	0.8	0.8	0.6	0.6	0.4	0.3	0.0	0.3	0.7	0.9	0.8	0.2	0.4	0.4	0.3	0.4	1.6	0.3	0.3	0.5	2.2	1.4	1.5	1.6	1.4	3.3	3.3	3.2	3.6	2.6	1.2	2.1	4.7	1.6	1.6	0.5
SOCS2	2.5	3.6	2.7	2.7	3.4	3.4	1.9	4.6	6.7	5.8	4.8	5.5	6.5	5.6	10.3	4.0	4.6	5.4	4.3	4.8	5.5	5.6	7.3	7.2	6.9	10.3	4.3	7.5	5.0	12.5	10.4	10.4	12.5	8.4	5.8	5.2	8.6	9.9	11.0	5.9
SOCS3	5.7	2.6	1.9	7.8	2.7	3.5	10.4	1.0	6.1	14.1	1.4	1.4	8.3	7.8	104.1	12.5	5.1	2.0	6.1	4.5	7.2	2.6	1.9	1.4	16.0	15.1	2.0	4.2	3.7	82.4	1.4	14.9	218.5	14.5	2.5	3.2	23.2	8.0	37.0	2.5
SOCS5	2.7	3.9	3.0	4.1	4.0	4.1	3.4	4.1	4.8	3.4	3.4	3.0	3.0	4.1	3.7	3.4	3.2	4.0	3.6	4.7	3.8	2.9	3.3	3.2	2.7	4.4	2.7	3.4	2.1	2.5	3.1	4.1	4.5	5.3	2.7	3.5	4.3	2.9	3.5	3.5
SOCS6	4.1	2.9	3.4	3.2	3.7	2.9	3.0	3.9	4.6	3.6	3.2	2.8	3.0	4.4	2.5	3.5	3.0	3.4	3.5	3.6	3.0	3.3	4.0	3.4	2.2	3.2	3.1	3.9	1.5	2.0	3.4	3.7	3.1	4.0	3.4	4.5	5.0	3.9	3.7	4.3
SOCS7	2.0	2.5	2.5	2.0	2.5	1.9	1.3	1.8	2.8	2.9	2.9	2.8	2.6	3.1	2.7	2.8	2.6	2.7	2.6	3.1	2.6	2.3	3.0	2.4	1.8	2.6	2.9	3.0	1.7	1.8	2.5	2.7	3.0	3.0	2.2	3.2	3.7	3.2	2.4	2.5
SOD1	139.8	137.1	142.8	147.5	133.3	144.9	142.7	138.8	165.7	136.2	160.1	153.3	159.5	146.4	178.5	156.1	158.0	159.0	151.5	153.2	134.0	136.5	154.3	155.6	144.3	117.0	162.4	144.3	107.8	158.3	155.4	169.2	119.9	158.5	155.2	146.8	132.0	109.1	152.2	160.3
SOD2	102.5	104.1	119.3	178.4	125.2	81.3	97.9	132.8	116.7	95.0	106.6	83.5	78.0	80.2	61.2	99.2	100.2	105.7	94.2	91.7	82.2	93.9	105.5	103.2	78.8	71.7	104.8	92.0	51.3	49.0	63.0	89.1	127.7	109.4	94.3	96.3	107.1	87.1	91.6	126.3
SOD3	12.7	10.7	15.3	27.4	30.5	15.0	11.7	19.8	59.3	28.5	29.9	17.5	36.1	32.7	108.4	19.7	49.9	27.7	32.2	47.1	42.3	31.9	29.7	16.2	48.0	48.7	19.6	21.9	38.1	39.9	21.1	21.9	70.5	62.0	18.5	28.7	29.7	27.7	30.7	16.2
SOLH	2.6	3.0	2.3	2.7	3.7	2.1	1.7	2.2	3.4	3.1	2.7	3.5	2.8	2.4	3.5	2.0	2.3	2.2	3.1	3.4	3.6	2.5	1.9	2.8	2.8	2.7	2.5	2.8	2.3	2.6	3.2	2.5	5.8	5.0	3.1	2.8	3.6	3.9	2.3	1.9
SON	16.3	17.9	18.8	14.3	18.2	16.4	14.6	19.3	23.7	17.9	17.3	13.2	14.8	18.6	13.2	15.3	19.3	18.5	17.4	24.5	15.1	15.6	16.9	16.5	12.3	16.4	14.4	13.6	9.0	11.0	13.3	14.1	23.7	22.0	15.4	20.4	22.1	12.3	16.1	19.9
SORBS1	126.7	206.6	160.1	71.0	144.5	135.7	104.6	126.5	139.1	172.7	147.1	158.4	142.6	166.0	90.6	174.4	204.3	205.9	159.3	111.3	141.6	122.2	161.0	150.0	95.7	130.2	177.8	178.6	81.8	89.9	123.4	140.1	114.0	163.6	151.7	173.8	189.3	152.8	176.0	147.6
SORBS2	184.9	158.6	100.8	97.5	112.2	115.9	93.2	178.3	212.8	237.6	162.2	224.9	197.1	223.6	91.5	193.4	253.7	210.9	237.5	122.5	190.6	193.4	290.5	226.8	86.0	177.2	163.7	226.9	110.6	113.5	117.5	144.8	83.7	170.0	156.4	124.4	218.8	108.6	163.3	217.6
SORBS3	14.5	18.7	15.9	19.5	22.8	20.5	18.4	18.7	26.3	17.0	19.1	20.0	21.1	23.3	50.4	18.1	25.8	14.9	19.9	25.5	26.9	18.7	20.4	17.9	22.7	20.9	25.4	19.9	18.4	21.6	23.8	22.7	43.6	23.0	25.8	16.9	23.4	20.6	22.7	16.8
SORD	3.3	2.6	2.8	2.3	3.5	2.8	2.7	2.4	2.9	3.2	3.9	3.6	3.2	3.5	2.9	2.1	2.8	3.8	4.3	5.9	3.4	2.9	2.9	4.2	1.7	3.2	1.3	2.4	2.0	2.2	1.8	1.9	2.1	2.8	3.2	2.4	1.8	1.3	1.7	3.3
SORT1	13.1	23.0	16.7	22.2	22.2	14.2	11.7	16.1	25.0	21.7	19.0	22.1	17.5	30.9	20.7	20.6	33.9	27.1	18.5	20.9	25.0	24.8	27.4	22.2	17.5	21.4	25.6	24.1	17.5	16.1	26.6	30.0	25.7	31.1	16.3	35.8	24.5	59.4	42.4	19.7
SOS1	4.0	4.1	3.7	5.5	4.0	4.3	3.2	4.0	4.8	3.8	3.6	3.1	3.4	4.6	3.0	3.6	3.8	4.1	4.4	5.4	3.7	3.5	3.5	3.4	5.5	4.0	4.9	3.4	2.2	3.0	3.1	3.7	7.9	6.9	5.8	5.3	5.9	3.4	6.0	5.0
SOS2	6.9	8.1	9.0	8.2	7.4	5.4	7.5	9.0	9.2	7.5	7.3	6.0	6.9	8.6	4.9	6.7	7.3	8.6	7.9	8.5	7.4	7.6	8.7	7.3	6.7	6.8	10.0	9.2	4.4	6.4	6.2	7.2	10.2	12.8	9.5	13.6	16.2	10.3	11.5	10.6
SOX13	3.2	3.3	2.2	3.7	3.5	4.4	3.0	3.3	4.2	3.3	3.4	3.9	4.1	3.8	8.7	3.1	3.6	3.9	4.6	5.2	4.6	3.5	3.6	3.0	4.1	3.8	4.1	3.4	3.9	4.3	4.6	4.6	9.4	5.4	4.9	5.3	5.5	5.1	5.9	3.6
SOX17	2.6	1.8	1.3	2.4	2.1	2.2	2.3	1.4	2.5	1.9	1.0	3.0	2.3	2.5	4.8	4.0	2.5	1.8	3.2	3.1	2.9	2.7	1.9	3.0	4.2	7.0	5.1	5.4	3.4	12.8	4.1	8.8	18.3	3.5	2.4	5.5	4.9	4.7	6.3	6.0
SOX18	10.7	8.2	8.1	9.8	11.1	12.5	9.0	6.3	8.3	11.0	10.4	11.2	13.3	10.4	13.4	11.3	9.8	4.8	9.0	8.6	14.2	11.5	8.4	7.8	7.4	5.0	11.0	7.2	10.8	11.3	4.5	6.3	12.9	15.4	11.7	6.6	15.0	12.6	13.1	8.7
SOX7	4.2	3.5	2.4	4.8	3.2	3.4	3.7	2.8	4.2	3.6	3.5	3.3	2.6	1.6	6.7	3.8	2.5	3.9	3.9	6.2	4.2	6.6	3.8	4.3	1.9	2.6	2.9	4.0	1.1	5.0	3.1	3.9	8.3	5.1	2.6	5.7	3.9	4.8	9.0	4.2
SOX9	1.4	5.9	2.9	1.7	5.9	3.1	1.8	2.8	3.3	2.4	3.5	3.9	2.2	4.0	5.3	1.2	4.0	3.6	2.9	4.1	3.9	3.3	2.5	1.3	1.8	2.9	5.6	5.4	3.0	0.9	6.4	1.5	2.3	4.9	5.3	8.2	5.4	5.4	2.6	1.7
SP1	4.4	5.1	4.1	4.6	5.0	5.0	4.2	5.5	6.4	4.8	4.9	3.9	5.5	4.8	5.2	4.6	5.4	5.0	5.6	8.2	6.3	5.1	5.0	4.8	3.7	5.1	4.9	4.9	3.3	3.2	4.2	4.6	10.3	6.4	4.4	6.4	7.2	4.9	6.8	7.2
SP100	8.3	6.6	4.9	6.5	9.9	9.0	4.2	7.7	8.0	6.0	5.8	7.6	9.9	6.3	8.7	6.9	7.8	8.4	7.2	9.5	5.2	5.4	4.7	10.2	6.0	8.6	7.6	4.0	5.3	5.4	5.4	7.8	10.7	8.7	7.5	6.7	6.5	4.2	5.5	9.4
SP110	2.4	2.2	1.8	2.9	3.5	2.9	2.2	1.9	4.0	2.5	1.8	2.1	6.8	1.8	4.8	3.2	3.5	2.8	2.7	4.3	2.9	2.7	2.8	5.4	2.2	3.5	1.5	2.3	3.2	3.6	2.5	4.2	8.2	3.3	1.9	2.7	1.9	1.9	2.7	3.7
SP2	4.5	5.8	4.3	4.7	5.9	7.1	5.2	6.4	6.3	5.4	5.5	5.1	6.4	7.7	8.4	5.6	6.0	5.0	6.1	5.9	5.9	5.6	5.9	5.9	4.3	6.0	7.8	7.2	5.0	6.3	5.3	6.5	7.7	6.1	5.7	6.2	7.7	6.6	7.4	8.4
SP3	4.9	4.8	4.6	4.6	5.8	4.6	4.2	5.0	6.0	4.2	4.6	3.7	4.5	5.6	4.9	4.5	5.2	5.5	4.5	6.7	5.0	4.6	4.5	4.0	3.6	4.8	4.8	4.6	2.8	3.1	4.0	4.9	7.5	5.6	3.9	5.7	6.1	4.8	5.4	6.5
SPAG16	5.7	5.1	4.0	2.6	3.9	4.9	5.2	4.8	5.1	4.4	6.3	6.1	6.5	5.4	6.5	6.6	4.0	5.9	5.0	6.7	5.6	5.6	6.9	5.6	3.9	4.4	5.7	4.5	4.0	4.8	3.7	6.1	4.3	5.5	5.6	5.8	3.8	4.4	6.9	4.8
SPAG7	55.9	62.4	61.1	45.9	47.2	60.8	66.7	56.1	54.3	58.6	62.9	54.0	43.3	45.0	47.2	53.9	43.5	57.7	47.4	43.1	47.7	49.5	53.2	51.3	48.6	55.3	65.3	65.9	35.6	67.3	61.4	61.4	36.9	51.3	60.6	50.9	57.6	48.0	61.0	57.4
SPAG9	6.5	6.1	6.3	5.5	6.8	5.4	4.1	5.3	7.9	6.9	6.4	4.5	6.1	7.3	4.9	5.3	7.2	7.4	6.3	9.6	5.2	5.9	5.8	4.9	3.9	6.4	5.0	5.4	3.6	3.5	4.9	5.2	9.8	9.1	6.3	7.6	9.1	6.1	5.7	6.4
SPARC	71.3	86.3	71.8	91.3	159.8	110.1	72.2	88.7	119.5	87.3	107.1	106.2	165.5	202.6	243.5	81.7	98.6	99.5	105.0	261.3	215.2	89.2	76.7	82.2	91.0	237.0	77.8	110.9	161.0	107.3	79.5	135.4	247.2	221.5	75.3	112.3	164.1	113.8	127.2	82.4
SPARCL1	269.7	292.5	257.3	252.8	387.7	347.1	327.4	307.2	273.2	206.8	177.5	138.8	307.2	212.3	471.0	253.8	238.6	261.6	208.7	339.0	268.0	181.8	216.3	135.1	134.8	278.9	221.2	187.4	172.4	245.3	199.1	203.5	524.2	345.6	157.0	282.9	307.4	238.2	431.3	187.4
SPATA13	2.8	2.7	2.3	2.7	3.3	3.2	2.4	2.9	2.7	1.6	2.6	2.2	2.4	1.6	2.2	2.2	2.1	2.7	2.3	4.5	2.3	2.8	2.2	2.7	1.8	1.9	2.0	1.5	1.3	1.4	3.0	2.6	3.6	1.5	1.9	2.1	1.9	1.3	2.7	3.8
SPATA20	15.8	12.2	15.6	21.2	28.4	13.9	16.3	16.5	15.1	10.3	25.5	22.4	19.0	20.5	15.7	16.8	15.7	14.8	19.3	23.6	19.6	13.7	16.5	14.9	16.1	12.5	24.1	26.7	18.2	26.5	15.7	19.5	13.3	14.7	23.7	21.5	23.2	13.0	18.4	14.3
SPATA24	2.7	3.6	2.3	3.0	3.5	2.9	3.7	5.1	2.2	1.6	3.1	1.9	2.1	1.9	2.1	3.7	2.6	2.3	2.7	2.7	2.2	2.3	2.1	3.8	2.7	4.0	2.9	2.5	0.9	2.7	4.5	1.9	1.2	2.3	5.0	2.1	1.9	1.9	3.8	3.6
SPATS2L	9.6	9.1	7.2	6.9	6.0	6.2	8.5	7.2	9.7	12.7	10.0	4.1	17.0	22.2	9.7	12.3	16.3	5.2	10.7	6.6	12.9	10.6	15.4	5.4	4.4	7.9	13.7	11.2	6.8	13.2	9.9	13.1	12.7	6.9	7.4	10.4	14.2	15.0	13.5	9.9
SPCS1	23.2	22.3	21.8	23.9	26.9	21.2	22.7	22.5	27.1	22.3	29.8	28.3	27.5	25.5	32.1	28.6	24.9	26.4	22.4	29.5	25.6	22.5	26.7	25.4	23.8	25.0	25.7	25.1	20.2	30.4	20.9	28.9	27.2	27.3	22.2	21.9	20.4	19.0	21.9	24.4
SPCS2	5.2	6.1	5.8	7.5	6.2	5.5	4.9	5.1	5.5	4.5	4.9	6.1	7.1	6.8	7.5	6.4	4.5	5.7	5.3	6.0	6.8	5.4	6.2	5.6	4.6	5.6	7.5	6.4	5.3	7.0	5.2	7.2	7.7	7.2	6.9	5.4	8.0	7.3	6.5	6.5
SPCS3	7.7	8.9	7.9	10.0	7.5	5.8	6.9	7.4	8.5	8.5	7.4	7.9	7.2	10.0	6.3	6.9	8.8	9.3	7.2	11.2	7.2	6.8	7.5	7.1	4.8	6.1	6.6	6.5	4.7	5.1	6.4	9.4	8.8	9.0	6.8	7.5	8.0	8.5	7.7	7.3
SPECC1	1.7	1.2	1.3	1.0	2.5	1.6	1.2	1.6	2.3	1.3	2.0	1.1	1.9	2.2	3.7	1.3	2.2	2.0	1.8	3.4	2.0	1.9	1.8	1.7	1.8	3.6	1.5	1.8	2.0	1.4	1.4	1.8	3.6	2.8	1.9	2.6	3.3	2.1	2.4	2.4
SPECC1L	6.3	6.8	5.3	6.4	6.4	5.5	4.8	6.8	7.6	7.2	7.0	6.7	7.5	10.0	8.9	6.7	8.3	8.3	6.9	9.8	7.2	7.7	8.1	8.3	5.1	7.1	6.5	8.4	5.0	4.6	5.6	6.5	8.0	8.4	4.5	8.3	7.5	6.8	7.5	7.0
SPEG	16.1	20.2	14.0	11.5	29.7	15.2	10.5	18.6	21.2	18.8	21.0	26.2	17.7	27.1	24.8	18.4	24.0	19.0	18.1	19.3	15.3	15.5	15.6	19.6	13.0	19.3	20.8	20.5	16.6	14.3	30.7	23.5	15.0	22.2	14.7	18.5	22.6	28.5	20.8	14.3
SPEN	3.9	5.3	4.9	4.5	5.4	5.1	3.4	5.4	6.9	5.8	4.6	4.8	4.3	5.8	7.0	5.3	6.6	5.9	5.4	7.5	5.5	5.0	5.6	6.3	4.0	7.7	5.7	5.3	3.2	3.1	5.1	4.6	11.1	9.9	4.7	8.7	7.7	6.9	8.5	5.8
SPG11	6.7	6.2	5.7	5.6	6.7	6.5	5.2	7.0	7.4	6.2	4.1	5.2	5.8	7.4	4.1	5.4	6.2	7.5	7.4	6.6	5.9	6.5	7.4	6.9	4.0	5.6	3.6	6.9	3.3	4.4	5.1	5.2	6.7	6.0	6.3	6.0	7.9	4.6	5.4	7.9
SPG20	7.8	6.4	6.4	6.6	6.2	5.1	5.2	5.8	6.4	6.4	6.2	4.6	8.7	7.8	8.2	6.6	5.9	7.0	5.6	7.8	7.3	7.1	8.7	6.3	3.9	6.6	7.1	7.7	4.5	6.6	5.5	6.9	12.4	7.8	5.9	6.4	9.1	7.0	7.8	6.8
SPG21	10.4	11.0	9.0	9.1	12.8	10.7	10.2	10.5	11.9	10.5	12.1	13.4	14.0	12.3	12.8	13.1	13.2	12.5	8.0	14.2	13.9	12.2	12.4	9.7	8.4	10.9	11.6	12.8	13.5	9.9	8.4	14.0	18.8	15.0	6.9	12.9	13.6	13.4	13.5	9.0
SPG7	16.4	18.2	19.6	19.6	20.8	20.8	18.2	21.6	20.5	17.2	20.1	17.4	18.6	20.8	17.3	17.1	15.1	19.6	15.6	16.9	17.4	16.8	15.4	18.5	18.6	15.0	18.1	18.9	15.3	21.5	17.2	18.3	16.1	18.8	16.9	17.0	17.7	15.7	16.4	20.0
SPHAR	4.0	5.6	4.9	2.6	4.4	3.1	3.9	4.0	2.5	2.8	3.6	4.5	5.7	7.7	4.2	5.2	2.9	4.3	3.3	4.9	3.8	4.2	6.0	2.8	2.9	3.3	3.7	4.4	2.8	7.2	6.3	6.7	3.3	5.0	4.2	5.7	4.5	5.9	6.9	3.2
SPHK1	0.7	0.6	1.1	0.9	1.5	0.8	0.7	0.6	2.3	1.9	1.1	1.6	1.8	2.3	3.4	1.2	1.8	1.1	1.7	1.1	1.5	0.8	1.0	1.1	2.5	2.8	0.6	0.9	2.1	0.9	1.2	2.5	5.0	3.5	1.7	1.9	1.1	2.1	2.8	0.4
SPHKAP	31.1	19.7	11.9	12.0	20.1	23.3	18.7	21.8	18.8	18.3	23.7	10.7	17.7	19.4	5.5	9.8	12.7	21.3	17.2	22.3	9.9	22.1	14.3	21.0	10.7	18.6	13.4	18.4	9.0	11.8	8.3	6.8	6.3	18.3	24.6	8.8	15.7	4.1	6.9	28.3
SPI1	2.4	2.2	1.8	2.3	5.1	3.4	5.9	3.4	5.1	2.1	1.3	1.1	5.5	1.8	7.3	2.5	3.3	2.6	3.0	3.9	4.2	2.3	1.7	2.0	0.9	2.1	3.0	2.5	2.3	3.2	0.7	2.7	12.1	3.1	1.0	2.3	3.1	2.4	4.2	3.0
SPIN1	8.4	10.4	6.4	7.1	10.9	8.9	7.3	11.3	11.1	7.7	8.8	7.3	8.8	12.3	9.9	8.0	7.5	10.7	9.1	12.5	9.6	10.0	9.7	9.7	9.0	9.9	8.8	7.9	6.8	7.6	7.8	8.2	11.2	12.2	10.1	8.0	11.8	7.0	8.4	11.6
SPIN2B	2.1	2.6	2.8	1.5	2.6	2.5	1.8	1.9	3.2	2.2	3.1	2.8	1.8	3.9	3.5	2.0	3.3	2.9	1.8	4.2	2.2	2.8	3.1	2.6	1.7	2.1	2.6	3.1	1.7	3.0	2.4	2.3	2.8	2.8	2.1	2.1	2.7	1.8	3.0	2.1
SPINT2	1.1	1.5	0.9	3.1	2.2	1.4	1.2	1.6	3.0	1.0	2.2	1.6	2.3	2.7	4.8	2.4	4.1	1.3	2.7	3.0	2.6	2.8	3.4	1.6	1.0	1.6	2.2	2.1	1.3	3.2	3.2	3.2	3.0	1.6	3.1	2.3	2.3	3.7	4.9	1.4
SPIRE1	7.0	8.2	8.4	8.4	8.6	5.9	5.9	8.8	10.1	10.0	9.7	8.0	8.8	13.2	7.5	7.5	13.8	9.6	8.0	10.1	7.6	9.0	10.3	8.7	6.6	9.9	9.1	8.4	7.0	5.2	9.1	9.6	9.4	10.0	8.1	11.1	9.8	11.3	9.5	8.9
SPNS1	5.1	4.7	3.8	4.4	5.5	4.5	4.9	4.9	5.8	4.3	5.8	6.1	5.9	5.3	7.4	5.0	5.1	4.1	5.8	6.3	7.0	5.1	4.3	4.8	4.6	4.8	5.9	7.1	4.3	5.9	4.4	4.2	9.0	5.6	5.6	4.1	5.7	4.2	4.6	5.7
SPNS2	3.5	3.5	3.4	4.5	4.9	2.6	4.2	2.0	4.0	2.4	2.6	2.3	4.0	2.6	5.2	2.4	3.5	2.5	2.3	1.8	4.9	1.7	2.5	1.8	0.9	1.7	3.4	2.1	1.9	1.8	2.1	2.2	6.3	2.9	2.0	1.8	3.0	2.9	2.2	1.9
SPOCK1	4.4	4.3	2.7	2.9	17.4	15.1	5.5	14.5	17.3	6.8	3.2	24.7	4.5	31.4	19.2	4.8	6.6	19.1	6.6	41.5	4.2	6.7	1.6	35.1	18.8	19.0	4.1	2.7	8.7	5.0	1.5	3.9	8.6	24.8	7.6	4.0	7.1	6.5	5.5	4.1
SPOCK2	2.6	3.0	4.7	1.4	1.7	2.0	2.4	2.6	1.7	1.3	2.6	2.4	2.3	1.3	1.4	4.0	1.6	1.4	2.6	1.4	2.8	2.3	2.4	2.4	1.3	1.1	3.6	1.6	0.8	3.4	3.0	3.7	7.4	1.8	3.3	1.6	4.7	1.2	3.4	2.4
SPON1	0.8	1.8	1.6	2.2	4.9	0.7	0.8	3.9	2.6	1.3	2.5	1.1	6.0	7.5	9.8	1.5	2.6	3.9	1.8	13.7	4.5	2.1	1.7	2.4	2.5	5.8	2.8	2.5	4.1	2.9	1.6	3.4	12.4	8.1	1.2	4.8	5.0	5.3	3.4	1.1
SPON2	3.7	4.0	2.7	2.5	6.4	6.9	2.1	5.0	8.2	4.0	5.5	1.9	8.8	6.8	18.1	3.9	8.0	3.6	3.4	9.3	9.5	5.6	7.3	3.1	6.0	7.5	4.3	9.9	8.3	8.4	4.2	7.1	21.8	10.3	4.9	7.9	14.9	9.7	6.7	6.1
SPOP	6.5	9.8	8.0	7.0	10.9	7.4	6.5	9.0	7.5	7.9	8.9	8.5	12.0	10.9	11.3	8.5	8.3	8.2	8.0	9.6	10.1	7.4	9.7	8.8	4.6	9.0	10.0	8.1	6.7	9.5	8.6	8.6	16.1	11.8	8.3	10.0	11.0	12.8	11.5	9.1
SPOPL	1.9	1.6	1.4	1.4	1.7	1.4	1.3	2.1	2.2	1.5	1.5	1.4	1.4	2.2	1.2	1.4	1.9	2.1	2.0	2.9	1.8	1.5	1.6	1.3	1.3	1.6	1.7	1.6	0.7	1.1	1.3	1.5	3.9	3.4	1.6	2.4	2.5	2.2	2.5	2.3
SPP1	1.3	4.2	2.5	2.9	6.0	2.2	1.4	1.7	14.2	1.3	1.9	1.0	4.3	11.6	10.2	28.9	6.5	7.4	3.9	3.7	14.0	2.8	2.2	4.9	1.0	2.2	0.6	3.5	1.6	1.0	0.9	19.1	14.5	5.2	0.4	1.5	4.6	2.2	1.9	3.1
SPPL2A	7.2	9.2	11.0	11.8	10.4	8.0	8.4	12.2	12.7	7.3	11.0	5.2	8.8	11.3	6.8	10.1	10.6	9.1	10.1	12.0	9.0	8.0	8.8	8.4	7.3	7.3	11.9	7.5	5.5	5.7	7.4	9.3	12.5	12.5	10.6	15.2	14.9	10.8	12.3	10.9
SPPL2B	2.4	3.4	2.8	2.4	4.5	4.1	3.3	3.5	3.9	2.9	3.6	4.2	4.5	4.0	4.9	3.1	3.7	2.8	4.0	3.7	3.8	3.3	4.3	3.6	3.3	3.2	4.7	4.8	3.5	3.8	4.2	3.6	6.8	4.1	4.0	3.0	3.9	3.1	3.8	3.4
SPPL3	4.3	4.6	3.4	3.3	5.8	4.6	3.8	4.3	6.2	4.2	5.3	4.9	5.3	6.7	7.3	5.3	5.2	5.2	5.0	6.4	6.5	5.9	6.1	5.6	5.2	5.5	4.8	5.6	4.8	5.8	4.2	5.8	6.2	5.6	5.1	4.8	4.5	4.1	5.7	6.3
SPR	10.7	8.7	10.3	15.8	12.5	12.6	11.6	12.5	19.1	14.8	12.0	14.6	19.3	17.7	16.6	15.1	11.4	14.1	16.3	14.9	13.6	12.2	13.1	14.7	10.5	10.3	13.0	12.7	10.4	13.3	14.8	13.6	8.6	15.5	10.0	13.8	10.3	9.3	10.3	11.4
SPRED2	3.4	4.9	4.8	3.7	5.4	4.5	3.1	5.5	6.0	4.9	4.1	4.4	3.8	5.8	8.0	5.2	5.6	5.6	5.2	7.8	6.0	5.1	4.4	5.6	5.8	8.7	5.9	7.2	4.3	5.4	4.5	7.2	10.8	9.7	7.7	8.0	8.4	5.9	8.3	5.1
SPRY1	4.0	5.5	4.7	6.7	7.2	6.8	4.8	5.6	10.0	11.1	7.3	7.7	13.3	15.1	23.1	10.7	9.8	7.7	9.1	13.5	10.0	6.6	8.2	6.7	15.1	27.6	8.3	12.9	13.6	18.6	8.7	19.8	91.8	18.9	6.2	13.1	21.8	13.8	19.3	11.7
SPRY2	9.7	14.9	11.9	11.9	16.5	14.0	10.7	12.2	16.5	10.2	12.7	14.1	15.2	18.4	23.6	13.3	11.8	14.7	14.5	18.3	14.0	13.7	13.8	15.6	25.0	25.0	16.5	17.6	16.9	21.6	13.5	25.6	28.2	24.0	16.9	22.6	26.8	18.9	26.0	20.1
SPRY4	1.4	2.1	2.8	2.6	2.5	1.8	1.2	2.4	3.9	3.5	3.3	2.4	3.3	5.0	5.9	3.0	2.6	3.1	3.4	5.0	4.3	2.1	2.6	2.6	3.3	5.6	2.9	4.2	3.1	4.0	2.1	4.8	9.4	10.1	4.2	4.3	4.4	5.2	4.1	4.9
SPRYD3	10.0	10.7	11.2	13.1	13.9	12.0	11.9	14.4	15.0	12.4	12.8	16.3	13.7	15.7	19.4	13.3	12.3	14.4	12.9	15.6	14.3	12.3	12.4	13.9	12.4	14.5	14.3	12.2	13.4	13.0	11.1	13.7	13.8	19.8	13.0	14.3	15.0	15.5	15.3	12.0
SPRYD4	6.6	5.1	5.7	5.1	6.2	6.2	5.4	4.9	6.2	6.0	8.3	5.8	4.7	5.3	4.8	6.3	4.9	7.0	5.8	7.2	4.9	6.4	5.2	4.7	5.3	6.0	7.7	7.2	3.9	6.7	5.9	5.9	3.1	6.6	6.8	6.4	5.3	4.8	5.1	4.6
SPSB1	2.0	2.0	1.6	1.9	2.8	1.7	2.8	1.7	3.2	1.5	1.5	1.9	2.7	3.7	6.8	4.3	2.8	1.5	2.1	3.3	3.4	1.8	1.5	1.9	7.2	5.4	4.0	4.1	4.5	3.1	2.4	3.8	8.0	6.0	3.5	3.3	2.9	4.8	8.1	2.0
SPSB3	14.3	15.2	9.6	13.0	21.4	16.8	15.1	12.7	12.9	9.0	11.3	15.7	13.4	14.3	17.4	13.3	13.2	10.8	11.0	14.7	12.1	13.1	9.7	11.7	16.9	11.3	17.5	15.8	11.4	18.2	13.9	12.0	20.4	14.3	15.3	13.1	15.6	12.7	15.5	12.4
SPTAN1	35.3	35.2	30.5	27.5	32.0	28.3	25.5	35.8	41.5	32.9	36.5	30.6	40.7	43.5	47.5	31.0	39.5	35.6	38.2	48.1	39.1	39.9	39.2	28.7	18.7	34.5	30.8	34.9	25.5	28.5	32.4	30.2	31.0	33.1	23.9	29.8	32.9	27.0	27.2	31.5
SPTB	14.5	18.2	12.8	18.7	12.7	10.4	10.5	14.0	15.7	16.0	15.1	12.9	13.0	15.9	11.1	14.2	17.5	14.1	13.8	11.9	13.9	14.5	15.7	15.5	9.2	14.9	17.4	16.2	9.5	10.8	13.6	12.0	10.8	19.0	11.9	17.0	21.7	16.9	18.6	16.0
SPTBN1	89.8	86.9	74.3	79.2	81.0	78.4	68.2	99.0	109.3	86.6	84.9	69.3	87.0	95.4	101.2	95.0	99.1	97.9	96.0	120.7	98.5	95.2	98.0	83.1	59.1	94.8	80.2	83.2	55.4	63.6	77.4	82.7	98.0	114.8	77.7	91.2	112.2	78.2	93.6	109.5
SPTLC1	6.0	6.5	6.9	6.8	7.6	6.4	6.0	5.7	9.6	6.3	8.2	6.4	8.3	8.8	11.9	7.6	8.4	7.8	6.1	10.2	9.4	7.1	6.8	7.8	6.1	8.4	7.5	7.7	5.0	6.1	6.9	8.5	13.1	9.4	5.9	7.6	9.8	8.1	9.1	9.6
SPTLC2	1.9	1.9	1.6	1.7	1.9	1.9	1.5	2.3	3.1	1.9	1.9	1.3	2.8	1.9	1.9	1.9	1.9	2.4	2.5	3.2	2.0	2.1	1.8	2.2	1.0	1.8	1.8	1.7	1.1	1.8	2.1	2.0	5.9	2.8	1.4	2.3	3.0	1.8	1.9	2.5

SPTY2D1	2.0	1.9	1.9	1.9	2.0	2.0	1.8	2.0	2.4	2.0	2.2	1.7	2.4	2.1	1.8	2.2	2.0	2.6	2.2	3.0	1.8	1.8	2.3	1.8	1.2	2.1	2.6	2.0	1.0	1.4	1.5	1.9	4.0	3.0	2.1	2.5	2.9	2.3	2.6	2.4
SQRDL	5.4	4.8	4.5	6.4	7.9	5.3	5.7	4.8	7.2	3.8	4.7	5.0	6.7	6.3	8.5	6.2	5.5	4.4	5.4	6.6	8.0	6.5	5.7	5.5	2.6	5.4	6.9	5.4	3.9	6.5	5.4	6.4	11.3	4.4	3.7	6.1	6.0	6.4	5.6	5.0
SQSTM1	67.9	74.8	66.1	63.8	79.9	82.3	58.6	51.7	99.0	94.3	106.7	110.3	108.6	95.7	124.7	101.9	91.6	94.8	82.6	91.2	88.0	86.1	98.0	112.3	93.6	85.6	100.6	88.1	69.4	91.1	85.4	113.2	107.8	100.5	113.8	73.9	83.2	82.8	94.0	93.3
SRA1	7.3	5.5	6.9	8.1	7.1	5.0	6.1	5.5	7.8	6.5	7.2	8.9	7.3	9.7	9.1	8.7	8.8	6.5	8.1	7.5	8.5	7.9	9.2	8.6	5.5	8.8	10.3	9.0	5.2	13.0	10.8	8.4	7.9	7.0	6.3	7.7	6.7	8.6	10.3	7.0
SRCAP	8.0	8.0	7.6	7.7	8.5	6.4	6.0	9.6	9.2	6.7	6.5	6.1	7.4	9.2	9.2	8.1	7.5	7.7	7.0	9.0	8.0	7.2	6.9	7.1	5.6	6.1	9.6	10.4	5.3	5.5	7.3	7.9	11.3	10.4	7.1	10.3	11.8	9.1	10.9	9.3
SREBF1	4.1	5.8	2.9	3.0	5.1	4.7	2.6	3.1	4.9	2.2	2.7	2.2	2.9	4.3	3.9	2.9	2.3	2.0	1.9	2.9	6.0	3.5	1.2	2.8	1.4	2.9	1.3	1.8	2.0	3.2	2.3	2.4	2.8	2.0	1.4	2.0	1.5	1.8	1.4	2.5
SREBF2	16.2	15.0	14.5	11.6	17.8	13.9	11.5	14.7	18.5	13.1	19.5	13.3	17.7	17.9	20.8	15.4	17.0	15.9	14.2	21.3	14.3	16.0	16.1	15.1	12.5	12.7	20.5	19.5	20.6	14.2	17.3	19.3	14.4	26.1	17.5	21.0	18.5	18.4	16.2	16.6
SREK1	6.2	8.3	5.9	6.4	8.8	5.2	5.3	6.0	7.8	6.8	6.7	6.3	6.2	7.2	6.4	5.5	6.2	7.6	5.9	9.9	6.6	6.3	6.9	7.1	6.4	8.0	6.8	7.3	5.4	6.9	7.4	7.3	11.1	10.4	8.3	8.3	10.0	5.7	8.3	7.2
SRF	16.2	21.4	28.7	21.2	25.2	16.6	14.8	20.6	20.0	21.2	20.5	17.6	18.0	22.8	20.3	18.4	21.9	19.0	20.2	16.0	18.1	18.8	20.4	17.7	13.0	18.4	22.5	21.9	14.6	18.5	19.7	21.8	22.0	24.5	20.7	19.6	22.1	33.3	21.8	15.8
SRGAP2	3.4	4.4	4.0	3.2	4.7	3.7	3.4	4.6	5.2	3.5	3.6	2.9	3.4	3.7	5.6	4.0	3.4	3.9	5.1	6.4	4.8	3.0	3.1	3.3	2.6	5.3	6.2	4.3	2.3	4.4	5.0	4.9	14.0	7.4	4.5	6.2	8.4	5.6	8.0	4.9
SRGAP2P2	2.5	3.1	1.7	2.1	3.7	3.1	1.7	4.0	4.5	2.7	2.8	1.7	2.1	2.1	3.6	2.9	3.3	2.7	3.1	6.4	3.6	1.9	2.9	2.3	1.5	3.8	5.0	2.2	1.9	1.9	3.3	4.2	10.0	6.5	2.2	5.2	6.6	3.2	4.1	3.9
SRGN	19.9	14.5	18.3	20.2	30.1	24.4	24.7	17.8	20.1	14.8	9.7	12.1	33.3	18.3	30.6	37.2	24.0	26.0	18.4	24.9	21.7	14.9	10.8	11.7	12.8	55.4	22.7	25.3	11.7	77.2	22.0	26.3	130.0	44.4	20.9	20.2	40.5	25.6	42.2	19.6
SRI	10.8	10.7	10.5	13.1	10.7	8.8	9.8	9.7	10.8	8.1	9.0	11.1	12.0	12.0	16.5	9.0	13.0	9.1	9.4	13.3	11.4	10.0	11.0	9.9	8.3	11.2	10.4	11.3	8.0	10.1	9.9	11.5	16.9	11.6	8.4	10.4	11.8	9.6	12.4	10.7
SRL	113.4	126.9	114.9	111.6	125.1	96.8	112.5	128.6	110.4	99.5	136.5	119.0	101.4	127.6	66.3	152.2	102.2	100.2	115.3	79.7	106.9	114.7	143.5	116.9	71.2	65.7	121.8	118.5	66.7	101.9	97.2	117.6	51.2	99.0	100.2	114.6	124.0	126.4	133.0	114.5
SRM	11.1	13.4	13.2	18.9	22.6	14.7	13.8	16.5	17.5	19.6	15.7	17.1	20.1	22.6	22.2	14.6	19.3	17.1	15.0	14.9	19.2	13.7	15.5	15.9	15.1	16.1	14.2	16.9	14.6	18.1	14.3	20.5	16.9	18.4	11.3	16.7	19.0	21.0	15.3	13.0
SRP14	56.6	60.4	65.1	62.0	60.0	51.9	61.3	63.2	61.0	56.5	63.1	62.3	61.4	59.0	66.7	64.9	59.5	54.7	61.7	65.2	53.5	47.9	71.7	54.9	55.5	54.8	81.1	69.2	42.9	67.1	69.3	67.9	61.4	53.4	71.6	57.8	53.0	44.0	71.9	66.4
SRP19	2.1	3.5	3.5	5.0	4.0	2.6	3.7	3.4	4.2	3.9	3.3	3.9	4.1	5.0	4.3	3.7	4.2	4.1	4.1	3.9	4.1	2.6	4.4	3.5	2.0	4.1	4.0	2.9	2.4	2.7	4.3	3.8	3.9	4.9	3.3	3.6	3.6	2.8	3.9	4.2
SRP54	11.7	10.1	9.6	11.5	9.9	9.7	9.2	10.0	11.4	11.1	11.7	11.0	11.8	11.1	9.7	11.5	9.7	9.0	9.4	12.5	10.5	10.5	11.4	10.9	6.5	9.8	10.8	10.5	7.3	9.4	8.8	10.8	12.0	12.0	10.3	8.8	11.3	9.7	12.2	12.9
SRP68	13.9	16.5	13.7	18.2	17.2	16.5	14.0	15.9	17.6	16.2	17.0	17.4	17.9	20.1	19.5	17.7	15.6	16.8	15.3	15.9	19.4	16.3	18.4	18.1	12.4	15.6	19.0	17.5	12.6	16.6	15.7	16.6	19.4	19.0	15.9	15.4	19.7	16.3	17.6	19.6
SRP72	6.5	9.0	9.5	10.0	9.6	6.5	6.7	9.8	9.4	8.8	7.7	7.8	8.6	9.5	10.2	7.6	10.5	8.0	8.6	9.7	7.3	7.7	9.5	8.1	5.4	10.0	10.3	8.9	5.7	6.4	6.4	8.7	15.0	10.1	7.7	8.6	9.4	9.7	10.2	9.8
SRP9	48.0	54.2	51.0	55.0	55.6	51.9	53.9	52.3	58.8	52.5	57.3	59.0	59.5	64.3	59.5	54.0	50.6	62.3	45.1	57.3	60.0	51.4	59.0	50.9	43.4	48.3	62.4	61.2	40.2	52.9	48.7	55.5	49.5	57.7	55.0	51.0	63.4	50.3	59.2	52.6
SRPK1	3.8	3.8	3.3	3.7	3.8	2.9	3.4	3.6	3.5	3.3	3.2	2.9	3.6	3.5	3.2	3.5	2.9	3.4	3.2	3.9	3.0	3.1	2.9	3.1	2.4	2.9	2.8	3.1	2.5	2.3	3.5	3.4	4.2	3.5	2.8	3.4	4.1	3.1	3.7	3.8
SRPK2	4.5	4.9	4.1	4.2	6.1	3.4	4.4	4.8	5.8	4.1	5.1	4.7	5.9	6.4	4.7	4.8	5.2	6.6	4.3	7.0	5.6	5.4	5.2	4.5	3.7	5.6	4.9	5.5	3.7	3.9	4.1	5.9	7.2	7.0	4.1	7.2	5.4	7.4	5.2	4.8
SRPK3	8.1	10.3	7.9	6.0	15.0	7.2	9.5	9.2	11.5	9.7	13.3	13.9	9.6	14.8	9.6	9.1	13.6	9.5	11.8	10.4	12.5	10.1	11.9	11.0	10.2	9.9	13.0	13.4	8.2	11.5	14.2	12.9	5.7	9.6	10.0	12.6	14.1	11.7	12.3	8.5
SRPR	19.7	23.3	21.2	24.7	23.2	21.1	17.3	21.9	25.8	24.1	23.2	21.5	27.3	26.1	30.0	26.6	23.8	25.6	22.9	28.7	25.8	22.7	22.4	23.3	16.0	25.8	28.9	28.1	20.7	26.3	20.6	25.9	30.5	29.1	21.6	23.0	28.9	25.7	24.2	24.8
SRPRB	3.6	2.8	3.6	4.5	3.0	2.4	2.7	2.8	3.7	3.7	3.6	3.9	3.5	4.1	4.7	3.3	3.3	4.3	3.1	4.2	4.3	3.2	3.5	3.9	2.4	2.7	3.0	3.5	2.9	2.7	3.2	3.1	4.5	4.5	3.4	3.4	4.1	3.7	2.9	3.3
SRPX	9.8	17.2	14.4	22.6	21.7	10.8	15.9	17.4	13.0	13.9	13.4	11.9	21.9	19.8	17.7	10.3	15.5	15.2	14.5	12.7	28.3	15.5	19.8	13.6	14.6	17.5	15.4	19.7	18.5	18.8	12.2	11.0	37.2	22.3	13.1	16.4	30.1	22.3	22.3	12.6
SRPX2	2.1	2.5	2.4	3.1	4.6	2.8	1.5	2.4	4.1	4.5	2.9	2.0	3.3	8.1	4.2	4.9	9.4	3.1	3.6	5.3	7.3	2.5	2.3	3.2	2.1	6.0	3.0	2.9	5.2	2.0	1.2	7.2	6.8	8.8	1.0	8.9	7.8	9.9	6.0	3.7
SRR	1.7	1.4	1.2	1.5	1.3	1.2	1.8	2.1	3.2	2.2	2.0	2.9	3.4	3.7	2.5	2.5	2.2	3.2	2.4	1.4	2.2	2.8	2.7	2.4	1.5	1.4	1.4	2.6	1.7	2.8	1.3	2.3	1.6	2.9	1.6	1.0	1.7	1.6	2.7	2.3
SRRD	4.5	5.6	4.6	4.9	6.4	5.0	4.6	5.4	6.0	3.5	5.6	4.5	4.7	5.9	4.3	5.6	4.4	4.3	4.0	5.2	4.1	3.7	3.7	5.6	3.4	3.3	6.0	4.7	3.0	4.0	3.9	4.1	3.7	4.6	5.2	4.8	5.0	4.5	4.9	6.2
SRRM1	10.4	14.0	9.8	10.2	9.9	9.9	7.3	11.1	13.7	13.7	11.3	12.0	12.6	12.1	12.4	12.2	13.8	12.9	13.1	15.7	11.1	11.0	14.5	13.9	11.5	15.5	13.6	13.1	8.4	11.6	13.0	11.5	19.3	15.0	16.2	12.3	14.8	10.6	14.3	11.9
SRRM2	59.7	64.8	52.6	58.5	71.6	67.3	49.4	69.3	77.4	73.0	54.0	57.0	64.5	64.7	77.3	70.0	63.5	61.1	74.7	80.2	72.4	59.2	58.7	66.9	55.5	78.1	86.0	83.8	48.5	48.5	68.7	65.7	125.7	75.7	81.6	67.7	89.0	61.9	91.0	80.9
SRRT	10.6	11.3	10.5	12.8	11.6	10.0	9.2	10.9	13.9	11.4	11.1	11.8	11.0	11.9	17.6	11.9	12.3	10.4	12.6	13.2	13.3	9.5	12.3	11.4	12.4	11.9	13.8	12.2	10.6	13.2	11.9	13.9	19.9	16.6	13.5	12.9	12.7	12.3	14.4	11.1
SRSF1	13.9	16.3	12.4	14.9	15.0	12.7	11.4	15.2	17.5	14.1	14.6	14.7	14.7	13.5	16.8	15.2	14.7	17.3	15.0	20.2	15.1	12.4	15.9	14.2	14.6	18.7	17.5	16.5	12.6	15.4	16.7	17.4	26.9	21.1	19.4	17.5	19.0	15.4	20.6	16.8
SRSF10	9.9	8.5	9.7	8.6	9.9	8.1	7.8	8.8	10.3	9.1	9.1	11.4	10.5	11.4	12.1	8.5	10.9	10.2	10.1	12.0	10.3	8.9	10.7	10.0	7.5	10.3	10.3	10.8	6.7	6.5	9.9	10.4	16.4	11.3	11.7	10.5	11.8	8.6	9.9	10.9
SRSF11	16.7	17.8	13.8	15.4	21.7	14.7	15.2	13.2	20.7	14.5	15.0	15.9	19.6	20.1	20.6	15.6	18.1	16.4	15.2	23.5	18.6	14.4	16.0	15.6	17.3	18.1	18.6	15.6	13.1	15.4	17.5	18.4	35.1	23.6	19.0	18.9	20.8	15.4	21.3	17.1
SRSF2	27.7	27.6	26.2	31.2	38.8	30.6	25.5	32.5	37.3	28.3	30.5	34.3	33.4	35.9	40.7	31.4	29.2	32.5	31.4	36.7	37.1	29.5	28.1	28.4	35.0	32.5	38.2	35.7	28.2	40.5	35.0	36.6	60.0	44.9	37.9	39.3	41.8	39.4	41.5	30.1
SRSF3	16.5	12.8	22.0	17.0	18.7	17.4	16.6	17.4	19.3	18.7	16.6	18.3	20.4	25.6	24.8	16.8	16.2	17.7	20.3	23.4	20.1	15.8	15.2	14.4	21.4	25.0	22.6	19.7	13.8	39.5	20.8	21.3	58.1	28.0	27.9	20.3	28.3	16.8	22.0	19.4
SRSF4	8.7	11.3	9.5	11.4	13.2	9.7	9.5	10.3	12.2	12.6	10.8	10.1	12.5	15.5	16.9	11.8	11.5	11.2	11.0	13.1	13.1	10.1	12.0	10.9	10.7	13.9	14.0	12.9	10.1	13.7	12.2	13.0	22.0	13.8	11.1	11.1	13.7	11.1	15.0	11.2
SRSF5	54.7	72.8	60.8	58.7	78.1	73.2	72.3	59.4	72.6	64.7	74.2	72.2	63.4	65.5	118.0	66.1	69.8	59.0	58.4	87.4	63.7	59.4	71.1	68.8	79.0	69.7	95.9	71.5	53.5	80.4	72.3	72.3	128.4	65.1	90.4	69.7	74.9	57.7	78.2	80.1
SRSF6	12.4	15.4	15.3	14.5	17.3	13.7	13.3	14.4	18.6	18.1	14.7	16.5	18.1	17.7	21.0	16.6	14.6	17.0	19.0	23.9	19.1	15.1	16.3	14.7	21.4	14.3	22.7	18.2	15.5	21.9	20.0	19.3	37.7	25.1	25.4	23.1	31.6	18.1	22.2	18.2
SRSF7	7.8	7.8	9.4	9.3	7.2	8.7	7.4	8.0	11.2	10.3	8.1	10.4	10.2	10.3	15.4	9.7	8.0	9.0	9.9	13.0	10.5	7.8	10.0	9.2	8.9	10.9	10.1	11.1	7.4	13.9	9.9	10.9	28.8	16.4	12.8	10.1	15.5	8.3	10.8	9.3
SRSF8	2.8	3.3	3.1	3.0	3.7	3.6	3.1	2.7	3.8	3.0	4.2	3.7	3.8	5.0	5.1	3.4	3.4	3.1	3.1	5.1	4.6	3.4	3.2	3.0	2.5	2.4	3.8	3.2	2.6	2.8	2.7	3.2	4.8	3.4	2.8	3.7	4.2	3.2	3.8	2.5
SRSF9	5.6	7.4	5.3	5.5	7.5	4.8	5.3	7.2	8.4	7.1	6.7	8.1	8.1	9.2	13.5	7.2	8.2	8.0	7.2	10.2	8.8	5.3	7.3	6.9	7.4	8.0	8.0	5.8	7.3	8.1	6.0	7.9	14.6	11.7	6.9	7.7	8.8	7.6	9.0	5.8
SRXN1	2.8	2.4	2.6	2.1	1.7	1.9	2.2	2.3	3.4	3.9	4.8	2.8	2.8	2.7	3.1	2.8	3.2	2.8	3.4	3.6	3.1	2.7	2.3	2.6	2.0	1.8	1.8	2.9	2.2	1.6	2.0	2.9	1.9	2.3	2.1	2.7	2.2	1.6	2.3	1.5
SS18	7.5	8.4	8.7	8.6	8.7	7.9	7.6	8.6	12.1	9.1	10.6	10.2	9.6	11.8	11.6	10.3	11.5	11.2	9.1	14.8	10.9	8.8	9.8	10.1	8.6	9.6	10.9	9.9	6.4	7.8	8.0	10.3	16.8	13.0	8.4	10.8	13.8	11.1	11.8	9.7
SS18L1	2.6	2.2	2.4	1.9	2.0	1.8	1.3	1.9	2.5	2.3	2.2	2.3	1.9	1.9	1.9	2.2	1.8	2.1	1.9	3.1	1.7	2.0	2.1	1.8	2.0	2.0	2.4	2.0	1.4	1.7	2.1	2.1	4.2	3.1	2.3	1.9	2.5	1.7	2.3	1.6
SS18L2	1.0	1.5	1.3	1.7	1.6	1.8	0.9	1.0	2.1	1.9	2.1	1.8	1.9	1.8	1.9	1.9	1.7	3.1	1.5	3.6	1.6	0.9	1.5	1.7	1.5	1.5	2.2	2.3	1.0	2.0	2.0	2.2	4.1	4.6	2.4	2.0	2.5	1.7	2.2	1.5
SSB	16.6	19.2	17.3	21.3	18.7	20.2	16.9	17.9	23.8	22.0	22.7	21.3	25.7	22.5	27.4	22.4	24.1	22.9	21.3	23.5	22.4	18.2	24.0	19.8	16.6	22.9	23.9	20.5	14.2	22.0	19.4	23.1	30.2	25.0	22.7	21.3	22.9	18.6	26.8	21.6
SSBP1	34.7	36.2	39.1	42.3	33.7	31.2	37.0	32.0	35.8	31.4	41.7	38.4	34.0	39.9	40.8	35.0	33.5	35.0	31.8	36.2	38.7	33.5	35.0	36.6	30.2	31.1	39.1	37.3	26.6	39.6	38.5	38.5	33.7	30.8	45.5	33.9	34.1	30.5	44.2	40.5
SSBP2	6.9	8.8	7.8	8.3	12.4	7.9	7.9	6.9	10.9	9.8	10.7	7.6	12.9	14.0	14.8	9.4	12.8	10.3	8.0	10.9	10.4	8.5	10.9	7.5	7.9	10.0	9.5	11.0	10.6	9.7	10.0	12.0	12.7	11.2	10.1	8.0	13.1	17.9	12.6	7.0
SSBP3	8.6	8.5	5.9	11.9	8.4	11.4	8.4	8.8	10.2	8.5	6.2	8.9	8.6	8.8	11.5	9.1	9.7	7.2	8.5	9.4	8.9	7.8	11.1	8.1	6.8	8.8	6.6	7.8	8.2	8.5	6.7	7.5	10.9	9.2	8.5	5.9	8.1	4.5	12.2	12.4
SSBP4	5.0	5.4	5.2	8.9	7.8	5.1	4.7	4.7	7.6	5.9	5.5	7.7	8.6	7.3	10.8	4.4	7.2	5.3	7.6	8.0	7.5	6.2	5.1	5.4	5.9	8.1	4.0	6.6	7.7	6.1	6.5	8.6	11.6	8.6	6.4	5.0	8.6	6.8	4.9	4.2
SSC5D	0.6	0.5	0.5	0.3	1.1	0.8	0.3	1.0	3.2	1.6	2.4	1.0	2.9	2.2	8.6	1.5	2.3	1.4	2.1	4.5	2.9	1.6	2.0	2.1	1.6	4.3	0.8	2.1	3.5	2.3	1.1	3.2	3.5	4.7	0.9	2.9	2.3	2.2	1.0	2.0
SSFA2	10.5	11.0	9.3	10.7	13.9	10.4	8.5	10.0	13.9	10.2	9.6	7.4	10.1	14.7	8.5	8.8	10.6	11.0	9.3	13.2	9.7	8.8	8.1	9.1	8.3	10.6	8.7	8.3	6.5	6.7	10.8	9.4	14.9	12.6	9.5	10.6	13.2	8.6	10.7	11.2
SSH1	4.2	4.8	4.1	4.1	5.2	4.7	2.9	5.2	7.0	4.7	5.0	4.8	4.8	6.3	6.3	5.2	6.2	5.7	5.2	7.0	5.7	4.9	5.5	5.0	3.4	5.5	5.5	5.7	3.4	3.2	4.7	6.4	5.7	6.4	4.5	4.7	6.6	5.8	5.2	5.5
SSH2	3.7	3.8	3.2	3.0	3.8	2.9	3.4	4.8	4.3	3.1	4.1	3.1	2.6	4.2	2.3	3.2	3.0	4.3	3.1	4.4	2.7	3.1	3.9	3.4	1.9	3.5	3.2	3.9	1.6	2.4	3.2	3.4	6.3	3.4	2.1	4.3	4.8	3.4	3.8	4.6
SSH3	3.1	3.4	2.5	3.6	3.6	3.7	2.6	3.2	4.9	3.4	3.6	3.4	3.9	5.7	6.4	3.4	4.7	3.4	3.8	4.5	3.8	3.9	3.2	3.3	3.2	2.4	4.2	3.4	3.0	3.4	3.3	3.4	4.5	3.9	3.3	2.9	3.8	3.8	2.5	3.6
SSNA1	18.6	19.9	17.2	16.3	18.4	17.9	18.7	15.8	15.4	16.1	16.5	17.2	19.4	21.5	15.2	14.3	14.7	15.5	17.6	13.4	15.9	11.7	13.3	14.6	11.6	11.2	18.8	19.7	15.0	17.6	17.6	16.8	14.4	17.1	18.4	16.6	16.5	14.9	16.5	13.5
SSPN	7.4	7.9	6.7	5.8	5.3	6.2	4.3	9.4	14.1	12.0	10.0	11.4	10.0	17.7	13.7	9.1	12.9	11.5	11.2	16.4	10.2	12.1	12.7	11.5	7.7	14.1	6.5	8.1	9.4	5.7	7.8	11.7	9.6	12.8	8.3	8.0	9.3	10.5	6.6	10.0
SSR1	3.2	3.2	3.2	3.6	3.8	3.5	2.9	4.1	4.8	3.6	3.2	3.2	4.0	4.8	4.7	3.6	3.6	3.6	3.7	5.6	4.7	4.0	3.8	3.8	2.4	3.9	3.6	3.5	3.2	3.0	3.2	4.2	5.4	4.2	2.9	3.6	4.8	4.3	4.1	4.1
SSR2	29.9	29.4	24.3	38.8	39.2	31.6	25.1	27.6	30.3	28.2	28.9	29.9	36.4	36.3	44.3	30.2	27.6	30.3	28.6	36.6	41.7	33.1	32.2	28.6	26.8	33.3	30.9	30.4	27.4	39.0	23.2	30.1	59.5	31.3	34.7	24.8	37.9	29.6	33.1	28.7
SSR3	19.4	22.6	21.8	25.1	16.6	14.8	21.9	23.4	16.0	21.5	16.5	17.2	17.7	19.1	14.0	16.4	14.9	16.2	16.8	14.8	17.0	17.5	17.2	14.6	10.6	18.2	21.9	19.0	8.7	21.5	18.5	20.8	19.1	24.6	15.8	23.8	27.7	26.1	24.8	18.9
SSR4	29.3	26.4	28.6	32.7	45.6	31.6	30.2	31.2	30.8	35.4	31.7	47.6	42.3	59.8	56.1	26.6	44.2	32.3	43.2	50.5	43.3	33.8	32.1	36.2	22.7	35.9	30.1	33.8	35.8	35.3	31.0	32.2	49.0	43.8	31.0	31.8	32.2	28.6	28.6	29.1
SSRP1	9.7	10.6	8.5	13.4	11.6	9.8	8.4	10.2	12.5	11.1	10.0	9.4	11.4	14.2	17.2	10.9	11.5	11.4	10.1	13.3	11.0	10.6	11.2	11.9	9.2	12.2	12.5	11.8	9.8	10.9	10.3	13.2	21.5	14.0	12.7	11.2	13.3	12.4	14.1	11.9
SSSCA1	9.1	8.0	5.9	8.0	8.5	7.9	6.7	7.5	9.2	8.5	6.8	11.5	9.8	11.3	8.3	9.3	7.5	9.7	10.7	10.4	10.6	9.4	8.0	6.7	7.0	5.5	10.7	10.7	8.9	10.1	9.1	10.4	9.4	10.3	10.1	9.3	7.6	10.3	6.5	5.8
SSTR5	0.6	4.2	1.7	1.4	2.4	2.6	4.4	1.2	0.0	0.5	1.2	0.6	2.8	0.8	0.7	2.6	0.2	1.7	2.0	0.8	1.0	0.6	2.6	0.1	0.0	0.8	1.8	2.5	2.2	1.6	3.1	1.4	0.3	1.0	2.7	1.8	0.5	0.4	6.5	0.1
SSU72	30.6	35.9	31.1	46.9	40.6	33.3	34.2	33.0	34.4	31.4	26.6	25.6	34.4	43.2	30.1	33.4	33.5	28.1	29.4	27.0	32.4	27.4	35.0	31.0	23.3	22.9	27.0	26.5	23.3	35.6	24.7	32.6	31.0	29.4	33.9	25.2	34.8	27.8	34.8	32.8
ST13	47.2	46.0	39.4	44.5	54.6	44.7	39.2	40.9	46.2	45.8	48.6	43.7	57.2	47.5	56.2	47.3	53.6	50.4	43.1	47.3	56.3	48.7	57.6	52.5	37.0	49.8	59.9	55.5	35.0	44.8	40.7	48.9	67.1	52.0	52.7	48.7	57.9	52.8	61.8	55.5
ST3GAL1	16.4	25.0	21.7	29.1	18.3	20.0	17.0	25.8	30.8	18.5	19.4	19.9	20.8	27.0	16.7	24.6	21.0	18.3	20.1	22.7	20.0	21.8	23.2	25.6	24.3	20.8	25.2	18.3	19.2	22.5	18.9	19.5	22.5	34.3	19.8	24.6	35.3	27.4	41.1	21.0
ST3GAL2	2.9	2.3	2.2	3.5	4.3	2.8	2.4	3.2	4.2	2.6	3.3	3.0	3.0	4.8	4.1	2.7	2.6	3.2	3.5	3.8	3.0	3.4	2.9	2.7	1.9	2.6	2.2	2.7	2.5	1.6	2.4	3.3	3.1	3.1	2.4	2.2	3.0	2.2	1.9	2.6
ST3GAL3	6.4	7.7	4.9	7.1	7.6	7.4	4.4	7.4	6.8	7.7	9.5	8.9	7.2	10.1	7.8	7.3	8.9	7.2	8.8	7.0	7.5	7.1	7.2	7.3	4.8	6.8	9.4	8.4	6.0	8.7	7.0	6.7	6.5	8.1	7.9	6.3	7.1	7.8	7.6	7.6
ST3GAL4	11.1	14.0	8.3	11.1	13.4	8.8	7.3	9.0	10.5	12.5	7.9	14.0	8.4	14.6	15.0	7.4	14.6	8.3	10.1	15.0	11.2	10.7	9.9	13.1	7.4	12.4	9.0	11.6	11.8	9.7	8.5	9.6	12.3	11.6	6.0	13.3	12.4	14.2	8.0	7.9
ST3GAL6	9.6	9.1	12.2	11.2	10.9	9.4	8.0	7.1	14.0	19.7	13.8	23.8	10.7	20.8	12.3	13.7	18.9	16.4	18.9	14.7	13.8	13.0	13.8	20.9	9.2	13.0	15.9	18.6	9.1	10.4	13.2	18.6	7.5	12.0	15.4	16.4	16.3	13.4	10.9	14.2
ST5	14.1	9.8	5.0	9.4	15.7	11.7	7.3	11.7	12.6	7.6	11.0	9.6	13.0	13.8	15.5	12.7	9.5	10.6	9.2	12.5	11.5	10.8	9.0	11.2	9.1	9.6	9.4	10.6	10.3	9.9	9.3	11.3	9.3	10.6	8.7	7.2	11.7	8.4	10.5	12.6
ST6GAL1	7.9	12.3	7.4	12.7	10.6	9.1	6.4	8.9	11.7	9.4	9.6	11.8	7.7	10.4	10.9	7.2	10.5	8.5	7.9	10.1	8.3	10.9	9.4	9.9	4.9	9.1	8.2	10.1	5.7	5.6	7.6	6.7	13.7	7.9	6.9	6.4	9.2	7.1	8.6	8.6
ST6GALNAC3	1.4	2.5	0.6	1.5	2.3	1.3	1.6	1.9	1.3	0.8	1.6	1.1	1.5	1.5	1.3	2.1	1.5	1.7	1.7	1.1	1.7	1.5	1.4	1.2	0.7	0.8	1.7	1.2	0.6	1.4	1.2	1.3	4.5	1.6	0.8	2.0	2.4	1.5	3.1	1.6
ST6GALNAC4	4.3	8.7	7.1	6.1	8.3	5.2	5.7	6.0	7.2	9.6	8.7	11.7	8.6	14.6	9.0	7.9	10.0	7.5	10.1	6.6	8.6	8.5	9.5	6.7	4.5	6.7	7.6	10.6	7.1	7.3	8.6	9.4	6.9	9.3	5.9	6.2	9.1	11.2	8.3	4.4
ST6GALNAC6	12.7	13.3	10.8	11.4	15.2	15.6	11.4	12.0	16.7	11.8	14.5	17.1	18.9	16.9	27.4	15.0	15.2	16.2	13.3	20.7	18.2	15.1	12.4	12.0	12.9	13.2	15.6	14.2	14.3	11.6	10.2	13.1	22.5	18.4	12.7	11.3	14.9	13.6	17.8	11.5
ST7	6.1	6.1	5.4	7.1	6.6	4.8	4.8	7.0	4.8	5.0	4.1	4.5	6.0	7.3	6.1	5.6	4.9	4.2	4.8	5.4	5.5	5.0	5.8	5.1	4.0	5.3	5.2	5.4	3.1	3.9	3.7	4.8	5.6	4.9	4.9	3.6	5.8	3.9	6.6	6.3
ST8SIA5	1.4	1.6	1.2	1.0	0.4	1.0	1.7	1.0	0.8	2.7	3.0	1.1	2.1	3.0	1.0	2.8	2.7	1.6	2.4	0.9	1.3	2.3	3.2	1.0	0.2	1.5	2.4	4.4	0.7	3.2	1.9	2.9	0.9	1.6	1.1	1.7	2.5	1.5	2.3	2.7
STAB1	7.4	6.9	7.1	9.1	12.6	10.4	7.1	8.4	13.8	5.8	7.5	4.7	13.0	6.9	12.9	9.6	11.6	8.1	9.9	12.5	18.4	6.4	5.0	5.0	2.1	7.6	6.3	7.6	4.2	5.2	2.7	6.4	17.2	8.8	4.0	6.8	9.2	7.2	7.1	7.7
STAG1	4.4	4.2	3.3	3.4	4.4	3.9	3.3	4.1	4.8	3.2	3.2	2.5	3.4	3.2	2.6	2.8	3.8	3.9	3.6	5.4	3.6	3.1	3.5	3.0	2.4	4.2	3.5	3.9	1.8	2.5	2.8	3.2	5.1	4.6	3.6	4.1	4.5	3.4	3.6	5.0
STAG2	6.8	5.8	4.8	4.2	6.5	5.3	5.1	5.6	7.5	5.6	6.0	4.3	6.5	6.5	4.9	4.7	6.5	6.4	6.5	9.2	6.3	5.4	5.3	4.7	4.1	6.4	5.2	5.4	3.1	4.5	4.7	5.3	11.3	8.6	5.7	9.3	8.3	5.0	7.6	7.2
STAG3L1	1.1	2.3	1.5	1.7	1.9	1.7	1.6	2.0	2.7	1.6	2.2	2.0	1.6	1.1	2.4	2.2	1.4	3.1	2.0	3.6	2.2	2.2	1.9	2.6	1.4	1.8	1.9	1.9	1.5	0.9	2.5	1.7	3.0	1.9	3.3	1.4	2.2	1.3	2.4	2.6
STAG3L2	5.0	5.5	4.2	4.3	3.9	3.8	4.3	5.4	6.4	5.5	5.3	4.5	4.1	2.6	6.8	4.9	5.0	3.1	6.4	6.8	4.6	4.2	4.3	3.8	4.0	3.5	5.1	6.3	2.8	2.0	4.5	4.6	4.9	3.6	6.5	3.6	5.0	2.2	5.1	6.4
STAM	4.4	5.5	5.6	4.5	6.8	5.2	4.7	4.8	6.3	5.6	6.4	6.0	5.4	8.0	6.1	5.4	8.5	7.1	4.7	7.0	4.7	6.2	6.5	6.2	3.6	7.3	8.3	6.3	3.9	4.2	4.7	7.1	7.2	6.5	4.0	6.5	7.0	6.8	7.1	6.9
STAM2	3.0	2.4	2.7	2.6	2.5	2.4	2.0	2.9	3.2	3.0	2.9	2.5	2.3	3.7	2.1	2.9	3.5	3.4	2.8	3.9	2.6	2.2	2.7	2.4	1.8	2.8	3.3	2.7	1.7	1.5	2.0	2.6	3.9	4.0	2.8	3.2	3.5	2.6	2.4	3.2
STAMBP	5.9	5.6	7.1	7.1	8.2	7.4	5.8	7.7	8.0	8.3	6.1	7.3	8.6	10.2	7.3	7.5	8.0	9.3	7.1	7.1	6.7	6.8	7.0	7.3	6.0	6.4	7.8	7.9	5.4	5.8	5.4	7.1	7.9	8.7	7.1	6.5	7.7	7.6	7.3	5.7
STAMBPL1	0.8	0.8	0.3	1.0	0.9	1.4	1.3	1.0	1.8	1.6	3.2	1.7	1.4	1.8	3.2	1.7	1.2	1.9	1.5	5.2	1.7	1.1	1.5	1.4	1.4	2.5	1.1	0.3	1.6	0.7	0.8	1.3	1.9	0.9	0.1	1.0	0.9	0.6	0.7	1.6
STARD10	7.7	7.0	10.0	9.4	16.0	12.3	9.2	9.6	8.9	5.4	8.3	5.7	6.7	10.3	8.4	5.6	8.7	5.6	9.7	7.0	5.3	7.2	6.2	5.6	9.4	6.0	10.3	8.5	5.5	7.0	8.5	8.1	6.8	6.2	11.4	5.8	7.5	7.5	5.4	5.6
STARD13	4.3	5.2	4.9	3.8	7.7	4.9	6.5	5.2	5.3	4.3	4.5	2.8	4.7	5.6	5.1	5.6	4.3	5.0	5.2	6.8	5.5	5.0	5.4	4.1	6.8	4.9	8.3	6.0	3.8	5.6	4.0	5.0	6.8	7.3	8.6	6.6	9.3	6.9	8.5	6.7
STARD3	3.8	4.0	2.8	3.2	4.2	4.0	3.3	3.8	4.5	3.1	3.8	3.5	4.7	5.1	6.0	3.7	3.8	4.0	4.0	5.3	5.1	4.5	3.8	4.4	4.1	5.2	5.7	3.9	4.2	6.7	4.7	4.5	12.8	5.0	4.9	5.6	6.5	5.3	6.6	3.9
STARD3NL	6.8	6.1	4.6	6.7	7.9	6.7	5.4	6.9	8.7	6.3	7.5	9.1	9.7	8.6	8.6	6.6	7.1	6.9	6.4	11.2	8.5	8.0	6.7	7.2	6.7	6.2	7.6	5.7	6.5	8.8	5.8	6.8	9.4	9.3	6.9	6.9	7.5	8.2	6.9	6.9
STARD7	40.2	32.3	40.8	54.3	28.8	21.0	27.0	35.3	39.4	50.8	38.6	44.2	41.3	63.6	19.2	51.0	48.3	33.5	49.2	26.7	38.3	32.0	40.9	34.9	22.5	23.2	39.9	35.0	20.7	27.0	20.3	26.2	27.7	33.9	37.1	27.1	39.4	23.6	26.0	33.3
STARD8	2.7	3.2	3.5	2.7	4.1	3.7	3.5	3.2	2.6	2.3	2.1	1.8	2.5	2.1	3.5	2.9	2.5	3.0	3.5	3.0	3.6	2.3	2.3	2.1	1.3	4.4	4.1	4.0	2.1	3.5	6.9	5.4	7.1	4.1	4.4	3.4	4.4	3.3	4.2	2.8
STARD9	2.8	2.3	1.5	1.4	3.5	2.1	1.6	2.5	3.6	2.0	2.7	1.8	2.2	2.7	3.8	2.7	2.0	2.5	2.6	4.1	2.9	2.5	2.2	2.2	1.7	3.2	2.6	2.8	2.2	1.7	2.7	2.9	4.2	2.6	2.6	3.0	2.6	1.8	3.2	4.3
STAT1	8.5	9.8	9.5	14.9	13.6	10.8	10.4	11.8	19.3	11.8	14.1	10.7	38.3	13.4	14.3	11.7	12.1	14.6	12.0	21.8	12.8	11.7	12.5	24.4	8.7	12.4	12.3	11.2	15.1	10.5	10.3	14.0	15.6	14.4	7.9	12.6	14.1	9.2	11.6	19.5
STAT2	4.3	5.3	3.1	5.1	6.0	4.3	3.7	5.2	8.2	4.3	5.3	5.4	15.7	6.1	8.1	6.2	5.1	6.3	5.9	9.4	6.9	5.1	5.3	10.9	5.5	6.4	6.4	7.1	5.9	5.3	5.2	6.2	15.2	8.2	5.6	6.3	6.8	4.7	8.0	7.5
STAT3	23.2	25.3	36.9	120.2	25.8	26.1	33.1	23.9	46.0	30.7	24.2	21.3	28.5	27.4	31.6	25.5	34.3	23.5	28.0	26.0	31.8	25.9	19.4	20.4	25.1	28.8	19.9	29.0	25.5	16.3	18.1	26.9	43.3	42.3	17.7	30.0	44.1	25.0	23.8	23.8
STAT4	1.4	1.0	1.1	1.7	0.5	0.7	0.4	0.2	0.9	6.0	3.4	0.6	3.0	6.3	2.3	2.0	7.8	1.6	1.3	0.8	1.6	8.2	2.7	1.1	0.2	1.9	2.2	9.1	0.7	4.6	5.1	5.9	4.1	0.9	0.8	4.3	5.4	7.5	1.5	2.7
STAT5A	2.4	2.9	2.2	2.6	3.9	3.1	2.0	2.3	4.0	2.5	2.8	2.2	4.1	3.5	5.3	3.0	3.6	2.6	2.9	3.3	6.2	2.7	2.9	3.3	2.4	3.1	3.9	2.6	2.7	3.1	2.4	2.8	7.8	3.4	2.4	2.9	3.3	3.2	4.0	3.1
STAT5B	7.5	7.3	6.1	6.5	9.9	8.5	7.2	7.2	10.7	8.0	7.9	7.5	10.1	10.5	14.9	9.7	8.9	8.2	8.9	11.4	11.6	8.7	8.9	8.3	6.5	9.2	9.5	9.3	6.9	7.7	8.0	8.7	17.2	10.8	7.7	9.1	9.2	11.8	10.4	7.7
STAT6	10.9	9.8	9.1	13.7	17.8	12.7	9.0	10.9	13.9	12.2	8.7	11.0	14.0	10.6	29.4	14.4	13.7	12.6	11.7	19.6	17.0	10.4	9.7	11.3	7.3	14.9	9.8	9.8	11.1	8.7	11.2	12.8	32.1	15.8	9.8	10.8	12.0	8.9	12.6	10.7
STAU1	17.8	17.4	17.2	21.7	18.9	15.3	13.5	17.0	21.7	19.0	18.7	16.3	19.7	24.4	24.9	19.2	20.3	18.5	20.7	19.3	20.6	20.3	22.6	19.2	13.9	20.5	21.3	21.3	16.7	17.0	18.2	24.2	22.2	22.6	21.6	18.1	21.5	23.3	24.5	20.0
STAU2	16.6	18.5	19.0	17.7	21.0	16.7	14.7	17.9	18.2	19.0	17.7	15.2	17.9	19.6	11.8	17.6	14.4	18.1	16.8	15.7	15.5	16.8	17.4	15.1	12.5	16.2	18.3	18.7	11.1	13.9	13.1	16.2	9.5	16.2	16.3	15.6	18.8	13.1	16.6	18.0
STBD1	22.3	19.6	24.5	34.4	21.9	14.1	21.7	17.4	18.7	20.9	19.3	19.6	18.8	28.2	17.8	20.8	27.6	19.0	18.1	13.4	28.0	17.8	25.7	19.4	12.7	15.7	30.6	21.1	10.5	21.5	23.3	31.1	16.9	27.0	20.7	27.1	30.0	30.9	25.0	24.8
STC1	1.1	0.9	1.7	2.7	2.0	2.0	1.9	1.5	5.1	13.6	0.6	3.2	1.3	2.7	3.6	22.6	5.9	2.2	6.5	5.8	2.3	1.9	0.6	0.7	3.7	29.0	2.3	6.8	0.9	9.2	3.0	8.6	39.6	8.1	0.7	4.3	4.1	2.7	4.2	0.6
STEAP3	2.0	3.5	1.9	11.4	2.5	2.7	3.5	3.1	2.7	1.0	2.0	1.4	2.3	2.2	2.6	2.3	1.7	2.0	1.9	2.2	2.0	1.4	1.4	1.0	1.0	1.5	1.7	2.0	1.8	1.0	1.4	2.6	2.4	2.1	1.8	1.5	2.7	1.1	1.1	1.8
STEAP4	5.3	8.8	13.3	18.6	13.4	10.0	16.4	7.0	8.2	7.2	3.2	4.4	10.1	9.7	12.2	7.6	7.3	8.3	7.9	10.7	12.6	5.9	4.2	2.5	7.8	7.4	4.4	5.1	10.3	8.2	5.5	10.1	26.5	11.2	4.7	6.1	14.4	6.8	7.9	4.6
STIM1	4.5	6.7	4.1	5.5	13.0	7.4	4.6	9.4	12.1	6.3	7.0	10.6	8.8	9.7	14.5	7.6	8.1	8.0	6.7	14.3	7.2	6.7	7.4	8.2	10.6	9.4	6.6	5.6	8.7	9.3	4.8	6.1	13.1	12.3	10.3	6.5	8.8	6.2	10.2	6.4
STIP1	33.0	25.4	21.5	33.9	35.7	26.4	22.5	30.7	30.3	34.5	21.4	24.2	36.2	33.8	29.1	29.3	27.5	30.2	32.6	27.3	36.8	27.1	35.7	34.7	20.4	33.1	33.7	31.6	24.4	24.3	27.6	35.5	40.0	45.4	33.4	30.7	39.5	41.5	36.6	33.9
STK10	1.8	1.9	1.5	2.3	2.3	2.4	1.8	2.3	2.5	1.7	1.9	1.5	2.1	2.1	2.7	2.2	1.9	2.3	2.2	2.8	2.5	2.1	2.1	2.2	1.0	2.3	1.5	2.1	1.5	2.6	2.4	2.5	6.7	2.7	2.0	2.8	3.2	2.1	2.9	2.3
STK11	10.2	11.1	8.5	10.3	11.9	11.8	9.8	9.5	12.1	10.7	11.5	10.5	13.6	12.7	12.5	11.9	10.1	9.6	9.7	10.4	10.2	10.5	10.4	10.7	9.4	9.1	10.7	10.8	9.0	12.3	8.8	9.8	11.3	13.2	11.5	8.6	11.6	10.1	11.8	10.5
STK16	2.8	3.0	3.1	3.1	3.8	3.0	2.6	3.3	3.7	3.0	4.1	3.6	3.4	5.1	4.0	3.1	3.1	3.4	2.9	3.4	3.2	3.2	3.0	3.3	2.9	3.0	3.3	3.7	3.3	3.1	3.1	3.9	3.4	3.3	3.1	3.3	3.0	3.0	3.3	3.2
STK17A	3.3	4.5	4.5	7.2	3.8	3.6	5.0	4.0	5.5	6.5	2.4	3.9	4.9	6.7	5.2	3.9	7.4	5.9	5.6	5.2	4.6	3.0	5.4	4.8	2.6	5.1	3.4	5.0	3.2	3.1	3.8	7.5	8.1	7.2	4.3	8.9	4.6	5.8	4.5	4.9
STK19	1.8	2.1	1.8	2.5	3.1	2.3	2.1	1.9	3.8	2.2	2.5	2.6	4.0	3.8	4.0	3.1	2.2	3.1	2.1	3.2	2.8	2.2	2.4	2.5	2.9	2.4	2.5	1.8	4.3	3.6	3.2	2.8	5.1	2.8	2.4	2.2	3.2	3.1	2.8	2.2
STK24	8.9	10.5	8.5	13.0	9.9	8.4	8.1	8.6	10.5	8.4	10.3	8.7	8.8	10.2	10.7	10.8	10.0	8.8	8.7	9.8	10.2	10.0	10.7	9.6	7.4	11.9	10.4	10.4	7.4	9.4	7.4	9.9	17.9	10.3	7.9	8.0	10.5	8.3	11.7	9.8
STK25	16.8	18.9	18.2	19.9	22.4	19.4	20.2	17.8	21.2	18.9	17.5	17.6	20.9	26.0	21.6	17.0	20.0	18.6	18.6	19.3	20.5	19.6	16.4	16.3	15.9	17.7	20.8	24.3	17.4	20.4	17.6	18.9	23.8	21.7	19.7	22.8	27.4	21.2	21.8	16.7
STK3	2.8	3.1	3.4	4.9	3.7	3.5	2.1	3.1	3.7	3.3	3.3	2.8	4.2	3.5	4.3	3.3	3.5	3.8	3.8	3.9	3.7	3.1	3.1	3.1	2.7	4.7	3.2	3.9	3.8	3.2	2.4	4.5	5.9	4.0	2.8	3.3	3.6	3.3	3.5	3.9
STK33	5.5	4.3	4.2	3.3	6.3	5.8	3.7	4.5	4.2	4.6	5.3	4.7	6.1	5.6	3.5	5.5	3.3	5.3	4.2	3.8	5.3	4.5	5.2	4.9	4.3	4.0	5.5	4.2	2.8	4.1	4.5	4.4	2.0	3.8	3.6	3.9	6.7	2.8	3.8	5.1
STK35	3.1	3.7	2.9	3.1	4.0	3.7	3.1	3.2	3.9	5.2	4.2	4.2	3.3	4.4	3.8	3.7	3.7	4.1	3.1	4.0	3.4	4.2	2.8	3.8	3.0	4.2	4.1	3.3	2.8	2.5	3.7	3.6	3.3	5.6	5.6	4.2	4.6	3.2	4.3	3.6
STK38	6.5	7.3	5.0	6.0	8.7	6.4	5.6	8.7	9.1	7.4	5.8	6.8	9.9	10.8	9.1	7.9	6.4	9.5	8.3	8.9	9.0	7.6	7.4	7.3	6.5	8.2	8.4	9.3	8.7	10.4	9.2	12.3	19.0	12.4	10.9	9.5	12.3	9.8	10.4	7.4
STK38L	8.6	9.8	11.1	6.1	15.1	7.9	5.2	9.5	14.8	16.1	11.7	13.4	15.1	21.9	18.2	9.8	26.6	21.0	14.4	22.1	11.6	13.3	12.7	12.7	8.7	16.1	10.3	13.0	9.6	6.6	10.8	19.1	21.1	21.7	16.7	15.7	16.3	12.1	9.5	11.7
STK39	5.2	6.4	5.2	5.0	7.5	6.0	6.0	5.7	5.6	6.6	5.8	6.7	5.3	10.3	4.7	6.8	6.6	6.5	5.6	6.6	7.5	5.2	6.8	7.5	3.7	5.5	5.7	6.6	4.0	6.1	5.0	7.4	5.7	6.5	4.7	6.2	7.5	6.5	6.2	5.8
STK40	10.8	9.4	11.0	13.2	14.5	10.6	9.2	11.5	14.3	14.7	11.0	11.8	16.8	18.5	14.2	12.8	13.3	14.2	13.2	12.2	16.0	11.7	11.8	12.7	8.6	11.5	11.7	12.4	10.4	9.1	10.8	14.0	11.6	15.7	12.2	10.7	16.2	16.2	13.1	9.9
STMN1	11.5	12.5	7.5	12.8	16.5	18.2	8.7	12.6	15.6	13.3	17.2	23.1	18.2	21.3	24.6	16.7	16.7	25.2	13.1	24.1	14.1	12.8	13.7	17.7	16.9	17.2	11.9	15.6	21.0	18.7	15.6	20.0	21.1	16.3	7.6	13.2	13.4	14.1	16.4	11.6
STMN3	1.8	2.2	1.3	1.6	2.6	1.7	2.7	1.2	3.7	2.3	3.7	2.9	3.5	2.4	8.8	1.7	2.9	1.7	3.1	5.4	3.0	2.6	2.5	2.1	2.0	4.6	1.5	2.6	5.4	2.7	2.4	3.6	6.0	4.0	3.3	2.5	2.6	3.1	2.2	1.8
STOM	52.3	34.9	39.4	46.9	49.4	44.1	35.4	38.0	44.7	43.1	35.1	32.3	39.2	33.9	48.8	59.9	42.8	55.1	49.0	48.1	47.2	37.5	37.6	34.0	31.9	65.8	36.9	41.5	23.6	51.8	44.4	54.8	91.6	55.8	47.6	35.0	48.4	38.9	50.2	42.7
STOML1	4.8	4.5	4.2	6.9	5.0	4.2	4.7	6.3	6.2	4.3	5.0	4.5	5.2	10.2	7.0	5.3	2.8	4.9	4.8	5.7	5.4	6.0	5.1	5.4	4.0	4.0	4.0	5.6	5.4	7.1	6.9	6.8	2.6	5.5	3.0	4.7	6.6	7.8	5.0	3.6
STOML2	46.0	38.8	42.7	41.8	38.2	37.5	40.8	34.7	35.2	30.4	43.6	35.5	39.7	39.5	30.7	33.4	29.6	34.8	31.2	33.7	35.6	35.9	30.8	32.7	27.8	24.9	39.3	38.1	23.7	38.1	34.5	34.4	26.7	35.9	33.5	34.5	39.4	33.1	31.8	30.0
STOX2	0.8	0.6	1.8	1.2	0.9	1.0	0.8	1.0	1.2	2.3	1.4	0.8	0.5	1.2	0.5	1.4	2.2	2.5	1.8	1.2	0.9	1.1	1.0	0.7	0.9	0.7	1.2	1.6	0.3	0.7	1.5	1.2	1.6	2.3	4.1	1.0	4.8	1.0	0.9	1.7
STRA13	4.9	6.8	4.7	6.8	7.8	5.1	5.1	3.8	5.7	4.1	4.2	4.4	4.8	4.7	6.9	5.9	5.2	3.8	5.6	6.4	5.0	3.5	3.8	3.5	4.8	3.9	5.4	3.8	4.3	7.3	5.1	5.2	7.3	6.6	4.9	4.8	4.9	2.6	4.2	4.6
STRADA	4.4	4.0	4.7	5.1	5.7	5.2	3.6	4.3	5.6	4.5	4.7	5.6	5.7	6.1	7.6	4.6	5.2	4.5	4.5	5.3	6.2	4.3	5.1	4.5	5.4	5.3	4.9	5.6	4.3	5.8	4.7	4.6	7.5	5.5	5.5	5.6	6.1	3.5	6.3	4.7
STRADB	16.2	15.7	14.1	19.6	14.1	15.2	16.1	14.2	10.5	9.9	12.4	10.9	12.1	12.1	8.8	11.5	10.9	12.7	9.5	11.3	12.4	11.7	12.5	13.9	11.1	8.4	12.9	14.3	8.9	11.5	8.5	12.9	6.8	9.9	12.7	9.9	9.6	9.1	13.0	17.2
STRAP	33.8	36.5	34.5	33.3	35.7	27.9	33.0	31.7	33.6	34.9	32.2	33.3	38.1	37.5	31.1	35.0	32.8	33.3	30.1	30.5	33.9	30.0	33.3	33.1	22.0	31.6	34.6	32.7	20.8	33.3	29.6	34.7	34.3	39.3	33.0	35.0	34.2	35.1	42.7	34.1
STRN	7.5	6.6	8.6	7.4	5.4	5.4	5.9	8.1	11.4	7.6	9.4	6.0	5.3	9.1	2.0	5.6	12.7	10.1	9.2	7.7	5.8	6.3	7.6	6.0	3.6	6.2	5.2	7.6	3.0	1.9	5.8	7.0	7.1	9.7	3.9	9.2	10.3	8.6	6.1	8.9
STRN3	8.5	6.9	7.9	6.4	7.3	5.8	6.7	8.5	9.3	7.1	7.8	6.4	7.8	8.9	5.5	7.8	6.5	9.6	7.0	8.2	7.6	7.7	8.1	8.2	4.9	7.6	7.2	8.5	4.3	5.2	7.1	8.1	7.7	9.6	6.3	8.2	8.6	8.2	7.9	8.0
STRN4	10.0	11.7	11.6	13.5	16.1	15.0	11.6	11.6	14.2	12.1	12.9	15.0	13.5	13.0	14.2	12.2	13.7	10.3	11.8	12.0	12.2	12.1	12.9	12.2	11.4	13.1	14.9	16.4	10.8	13.8	11.0	13.9	16.3	17.0	11.7	14.1	14.9	16.2	16.0	12.2
STT3A	16.1	12.1	12.1	18.4	12.6	12.1	12.7	14.2	15.0	12.6	13.0	11.8	14.3	16.8	18.2	14.0	13.0	13.8	13.6	18.6	16.6	13.2	14.6	14.2	7.6	14.6	13.8	12.6	10.7	10.6	9.9	14.0	16.9	15.7	12.3	11.1	16.3	13.2	12.7	15.7
STT3B	22.1	22.7	20.1	20.2	19.9	16.4	17.2	23.0	24.4	22.6	19.7	14.8	18.2	25.5	13.7	18.1	19.1	22.0	22.1	24.4	19.9	18.6	20.7	20.0	11.0	20.3	20.1	20.6	9.9	9.5	15.9	18.0	22.9	23.9	19.6	19.2	26.0	17.4	19.0	26.3
STUB1	32.7	26.6	25.2	29.9	33.7	31.0	28.8	30.1	26.4	28.2	28.0	30.7	30.5	37.2	29.9	25.8	28.5	24.6	29.7	25.0	28.7	27.4	24.9	25.5	27.4	23.1	32.0	29.3	24.8	40.9	26.5	28.3	30.4	26.2	31.5	27.2	32.2	33.0	31.1	26.3
STX10	12.8	12.3	10.3	16.0	15.6	12.3	12.9	13.3	11.9	9.4	9.9	11.0	14.5	14.3	17.5	10.2	11.0	9.8	11.7	14.1	15.6	12.1	12.6	11.7	9.8	11.1	9.8	12.7	10.1	9.6	13.6	10.5	15.2	11.5	11.3	9.3	11.8	9.1	12.4	12.8
STX12	4.9	5.1	5.9	7.5	6.7	4.5	4.2	5.4	6.8	5.4	4.3	4.6	5.5	5.8	7.7	5.9	5.9	6.4	5.8	7.7	6.6	4.4	5.3	4.3	4.9	6.8	5.5	5.2	4.0	6.8	5.0	7.2	15.8	8.9	5.3	6.1	7.2	6.5	8.6	5.1
STX16	9.0	10.0	7.6	8.5	13.1	11.3	7.9	9.1	14.2	8.9	12.1	12.2	13.8	15.0	14.7	11.1	10.9	13.6	11.6	18.0	13.3	11.3	12.7	11.6	10.7	12.9	13.5	12.8	9.7	10.4	14.3	11.6	18.8	14.9	12.6	11.6	15.4	11.0	13.3	12.3
STX18	4.5	5.2	5.4	5.7	4.8	4.9	4.7	4.2	4.9	4.2	5.1	5.0	5.6	6.1	6.0	4.4	5.0	4.8	4.6	5.9	5.1	4.4	5.4	4.8	3.6	4.3	6.1	6.1	3.9	5.5	4.0	4.7	6.2	4.9	4.6	4.2	4.7	3.4	5.7	5.7
STX2	3.1	2.3	2.2	2.3	4.7	2.6	2.2	2.4	3.7	3.4	1.9	2.5	3.0	5.7	5.2	3.6	2.7	2.2	2.9	2.8	4.4	2.6	2.3	1.8	3.4	3.1	3.4	3.1	2.8	3.3	3.8	3.5	4.6	4.6	2.7	4.5	7.6	7.2	4.2	1.8
STX3	1.5	2.1	2.0	1.7	2.9	2.2	1.9	1.9	1.6	1.4	1.8	1.7	1.7	1.6	1.9	1.9	1.7	1.8	1.6	2.3	1.7	2.0	2.2	1.5	1.1	1.8	2.5	2.0	1.0	2.7	2.4	2.2	4.2	2.6	2.9	2.6	2.4	2.1	3.7	2.3
STX4	16.5	12.8	10.0	14.0	11.7	10.9	9.5	9.9	13.7	10.5	11.9	10.1	12.7	13.3	16.8	12.0	10.9	11.9	12.7	14.7	12.4	12.0	10.8	11.1	11.2	14.7	11.4	11.9	11.0	14.4	12.2	13.5	18.2	13.2	14.6	10.0	13.6	10.1	12.6	11.1
STX5	5.4	6.4	5.4	7.0	7.1	6.6	5.0	6.0	7.2	7.0	6.9	6.8	8.8	9.0	10.2	6.2	7.7	6.9	6.6	9.6	6.8	6.2	5.9	7.0	7.8	6.9	8.2	7.8	5.7	9.2	4.7	5.6	13.4	9.2	8.0	6.4	7.5	6.9	9.4	5.5
STX6	1.4	1.7	1.5	1.8	1.9	2.0	1.1	2.4	2.5	2.1	2.2	1.9	2.5	2.2	2.6	1.9	2.3	2.2	2.3	3.0	2.2	1.9	1.9	1.8	1.5	2.7	1.5	2.6	2.0	2.0	2.1	2.0	4.4	3.1	1.8	2.9	3.0	2.5	2.0	2.0
STX7	8.5	7.9	7.2	5.6	9.0	6.7	6.7	7.5	9.4	7.7	8.1	8.2	9.0	11.2	9.9	9.3	9.4	9.2	8.3	11.9	9.1	9.1	9.2	9.1	6.0	8.2	8.4	9.7	5.9	7.2	7.7	8.0	11.7	8.8	7.2	7.4	9.2	6.1	9.6	9.1
STX8	16.0	14.9	12.9	15.5	12.3	15.2	13.7	13.7	11.6	14.6	14.8	15.5	17.1	15.5	17.1	13.8	15.7	15.4	15.4	16.1	12.9	14.3	12.2	13.0	10.0	11.1	16.8	13.7	10.6	15.6	13.5	10.7	12.2	12.2	15.8	11.2	12.6	7.5	13.9	11.7
STXBP1	9.0	7.8	6.9	9.3	7.2	9.5	5.2	8.1	9.5	9.6	8.9	9.2	12.0	10.2	14.1	10.4	8.4	10.9	9.7	11.1	10.9	9.9	9.2	9.2	5.5	10.4	8.4	9.6	7.5	7.9	8.9	7.4	12.2	12.0	6.9	6.8	10.3	7.9	8.4	8.6
STXBP3	6.5	6.7	5.7	6.3	7.8	6.5	5.4	7.5	8.3	6.2	5.1	7.4	7.6	8.0	8.8	7.4	7.7	6.7	6.8	9.6	6.3	5.8	6.8	7.1	4.6	7.4	5.5	6.5	5.5	5.6	5.6	6.7	10.4	8.1	5.6	6.7	7.0	4.7	8.2	6.7
STXBP6	9.0	5.1	4.7	6.0	4.3	5.8	8.1	5.1	5.0	4.9	6.7	2.6	6.5	3.2	2.5	6.0	4.8	2.6	5.5	3.5	4.5	5.3	6.8	3.8	2.2	4.4	5.8	6.4	2.5	4.9	5.5	4.2	4.1	1.8	10.4	4.3	6.2	2.7	7.3	7.7
STYX	2.4	2.9	2.4	2.4	2.0	2.1	1.8	2.5	2.4	2.1	2.5	2.3	2.4	2.8	1.8	2.6	2.3	3.1	2.6	2.5	2.8	2.2	2.9	2.2	1.7	1.6	2.9	2.1	1.7	1.3	1.7	2.3	2.7	2.9	1.9	2.5	3.2	2.3	2.9	2.6
STYXL1	2.7	2.3	1.4	2.0	1.7	3.0	1.8	1.9	3.0	3.0	2.4	4.5	3.0	3.5	3.1	2.2	4.4	3.5	3.2	3.1	3.0	2.9	2.9	4.5	2.3	2.9	2.9	1.7	2.8	3.2	3.0	3.0	5.9	3.1	2.6	3.1	4.1	2.2	2.7	2.7
SUB1	21.1	18.4	16.4	17.0	18.4	18.4	17.8	16.9	20.2	18.4	18.4	18.2	22.8	23.9	17.8	20.1	18.1	22.5	17.0	20.8	23.4	18.1	23.7	17.1	14.8	16.0	19.6	23.0	13.1	24.2	18.0	22.3	17.0	23.8	19.9	22.2	23.3	19.8	21.9	18.6
SUCLA2	46.4	49.6	56.3	45.5	45.8	46.7	44.3	47.8	43.4	37.5	49.2	42.8	46.0	34.7	31.5	48.3	29.0	53.9	37.3	45.5	47.0	44.2	46.3	45.3	32.4	32.6	47.5	52.7	27.0	38.8	39.6	48.8	20.9	48.0	46.3	41.9	47.4	34.2	46.7	53.5
SUCLG1	96.1	99.3	114.2	112.8	91.2	103.2	107.2	101.3	93.6	92.7	109.7	97.8	104.2	90.9	72.0	91.3	87.0	113.5	90.1	95.8	93.0	108.4	103.6	107.4	79.8	77.5	104.6	109.8	68.0	106.4	88.7	100.7	54.7	100.4	97.9	103.4	96.9	86.0	91.4	107.6
SUCLG2	24.1	27.7	37.6	30.9	22.2	25.0	26.3	34.9	32.7	27.2	41.0	28.2	24.8	25.3	24.3	32.1	24.0	36.4	24.1	30.6	32.0	32.2	34.9	36.4	20.9	22.2	34.5	35.7	14.3	23.8	25.7	33.1	18.5	32.3	27.9	31.7	29.2	26.7	34.6	39.6
SUDS3	4.5	5.0	3.9	5.0	5.1	4.3	3.8	4.8	6.1	6.0	5.0	5.4	6.0	6.5	5.6	4.6	6.4	5.7	5.4	5.6	5.3	5.3	6.6	5.1	3.9	5.4	6.1	5.5	4.3	4.9	4.8	5.7	6.9	5.8	6.2	5.1	6.3	5.9	5.9	5.8
SUGP1	6.9	8.3	5.1	9.5	6.7	7.8	7.8	7.3	7.1	6.4	6.5	8.1	8.6	8.1	8.2	7.6	7.5	7.0	6.3	8.3	7.5	8.0	8.4	8.7	5.6	6.9	9.5	9.8	6.6	7.3	6.9	6.9	7.0	5.9	7.0	7.0	8.0	5.8	8.4	8.7
SUGP2	14.7	15.7	14.9	16.0	18.0	12.8	13.1	18.9	17.8	14.1	14.9	15.0	16.1	17.8	14.7	15.6	14.3	15.4	16.5	17.6	16.1	16.8	15.2	15.4	12.3	16.8	15.2	18.5	12.4	13.8	14.5	17.5	18.8	19.7	15.9	17.2	17.1	16.1	17.0	16.6
SUGT1	6.6	7.5	5.8	7.9	6.6	7.6	5.5	7.2	8.3	8.5	7.2	8.3	10.1	8.7	8.9	8.4	8.1	8.1	7.4	7.8	9.7	7.4	8.9	10.1	6.8	8.1	8.2	8.8	6.9	8.2	7.8	7.6	11.1	9.5	8.5	7.9	10.0	7.7	9.6	8.6
SULF1	2.6	2.4	1.8	1.7	4.1	2.6	1.7	3.0	9.8	6.1	4.3	2.6	6.7	5.5	20.9	2.3	6.4	5.2	6.5	18.8	6.6	4.9	3.1	3.1	2.6	12.4	2.4	4.0	8.3	2.6	1.3	4.1	11.6	9.2	2.8	5.6	3.9	2.7	3.4	5.4
SULF2	8.8	10.0	5.9	11.3	12.8	11.4	13.3	10.5	15.5	10.5	7.9	8.0	10.6	13.5	20.2	11.0	17.3	10.0	8.3	10.8	13.7	8.6	11.3	8.2	4.7	10.9	7.0	9.6	9.2	9.0	10.0	14.1	24.2	12.3	4.4	9.4	10.7	9.7	10.7	8.0
SULT1A1	2.6	2.5	4.2	6.0	6.9	8.6	7.7	2.8	3.3	2.4	8.6	6.8	7.5	13.8	12.0	10.8	2.6	4.9	6.2	7.2	7.1	8.4	5.7	3.9	3.2	2.5	8.6	5.8	5.4	12.5	6.2	9.6	4.0	3.6	3.3	4.2	4.6	4.3	4.7	3.4
SULT1A3	3.2	1.8	2.0	2.3	2.5	1.9	1.6	3.2	3.6	1.3	1.5	3.4	3.6	2.5	5.2	1.5	2.8	1.6	3.2	1.9	2.8	2.7	2.9	3.3	1.7	2.0	1.7	2.7	2.3	3.6	3.6	1.5	4.1	2.0	1.2	1.7	1.7	1.7	2.5	3.3
SULT1A4	3.2	1.8	2.0	2.3	2.5	1.9	1.6	3.2	3.6	1.3	1.5	3.4	3.6	2.5	5.2	1.5	2.8	1.6	3.2	1.9	2.8	2.7	2.9	3.3	1.7	2.0	1.7	2.7	2.3	3.6	3.6	1.5	4.1	2.0	1.2	1.7	1.7	1.7	2.5	3.3
SUMF1	2.4	1.7	2.0	1.6	3.4	2.3	2.3	2.5	3.8	1.6	2.1	1.8	2.7	3.8	5.1	2.4	4.0	2.1	2.3	4.8	3.4	2.6	2.3	2.2	2.6	2.3	1.9	2.0	2.4	2.4	1.3	3.2	5.9	2.7	1.5	3.0	2.9	2.3	3.1	2.7
SUMF2	6.5	6.7	5.9	8.8	8.4	6.4	5.7	3.7	10.7	6.7	8.1	8.8	10.0	9.4	15.8	6.7	8.9	8.4	7.7	13.6	10.5	7.3	7.1	7.6	5.7	8.4	7.6	7.2	7.6	8.3	6.0	7.1	12.1	9.6	6.4	7.3	7.0	5.0	8.1	7.8
SUMO1	17.8	19.5	17.4	18.2	21.3	20.6	18.9	21.7	21.9	21.6	19.7	20.4	27.3	30.0	27.4	21.3	23.2	21.9	21.8	23.9	25.5	20.8	23.6	20.4	18.9	18.5	24.1	22.0	13.9	29.9	20.9	23.1	24.4	22.8	23.7	20.1	24.1	18.9	24.7	24.9

SUMO2	38.1	41.9	37.1	49.3	48.2	40.8	40.7	50.4	55.5	46.6	41.9	43.4	51.3	54.1	74.3	47.9	50.4	53.1	48.9	60.2	47.5	41.9	50.6	44.2	40.5	48.4	50.2	52.1	36.8	50.1	47.7	54.7	66.8	58.6	55.8	42.4	48.2	39.8	55.5	51.9
SUMO3	22.4	27.3	23.2	28.1	26.1	24.9	24.8	27.3	31.6	24.1	25.3	26.7	28.0	32.9	32.8	29.1	25.2	25.5	25.2	23.7	27.7	23.7	27.1	25.7	20.5	25.9	25.0	29.4	20.5	23.2	19.3	28.0	24.4	25.0	25.0	22.4	23.8	22.5	27.0	24.9
SUN1	37.2	38.0	30.1	24.5	34.5	29.9	25.4	31.1	36.7	29.9	40.5	32.2	30.0	31.5	31.0	30.4	25.7	34.1	34.4	36.4	30.4	34.9	34.4	31.5	20.2	31.2	35.9	35.6	23.0	24.2	32.1	30.0	32.9	32.1	37.1	25.8	32.3	25.0	32.8	38.2
SUN2	22.9	31.2	25.0	33.3	35.5	25.5	22.1	27.7	27.2	22.5	22.5	22.5	22.5	25.9	36.5	30.5	23.9	21.9	21.9	24.7	26.1	20.8	20.5	19.4	20.4	23.9	32.9	23.5	16.5	19.2	19.1	21.4	51.8	35.5	18.2	34.5	29.0	29.8	37.0	17.5
SUOX	10.9	13.9	12.4	10.5	11.8	13.2	9.2	12.3	10.0	9.0	15.6	12.7	13.0	9.8	10.3	12.0	9.9	12.7	11.1	14.0	11.8	12.1	10.8	12.6	7.8	8.9	13.5	12.4	7.9	9.2	9.5	8.5	6.8	10.6	8.6	9.6	9.5	6.9	8.5	12.8
SUPT16H	8.6	9.9	7.8	8.6	9.6	9.0	7.2	7.9	11.2	9.9	10.0	9.3	11.6	11.0	10.6	8.5	12.2	10.2	9.5	12.3	10.5	9.1	10.5	11.3	7.5	10.1	11.8	10.0	7.9	9.3	7.5	9.3	16.0	12.1	8.1	10.9	11.7	8.4	11.8	10.6
SUPT4H1	12.2	16.4	14.4	13.3	14.8	16.0	15.3	14.3	18.6	16.1	15.2	15.4	16.6	17.9	18.9	16.1	15.7	15.5	15.1	17.9	16.4	15.0	15.8	16.4	14.0	13.3	18.2	17.9	10.8	14.2	13.3	16.1	15.6	15.1	16.8	15.4	16.9	15.4	18.5	15.5
SUPT5H	12.0	14.9	12.1	13.9	18.3	14.3	13.6	13.3	17.7	14.3	16.5	17.1	17.9	19.0	23.8	15.0	17.7	14.6	14.3	17.1	14.8	13.8	15.1	13.9	14.1	16.9	18.8	17.7	13.5	16.9	14.4	14.6	23.8	19.1	15.6	16.0	16.8	15.9	17.7	14.2
SUPT6H	13.4	14.3	12.9	13.1	14.9	14.1	12.6	13.7	16.1	14.7	14.8	13.9	17.3	16.9	19.8	16.0	18.5	14.2	14.5	14.8	15.9	14.8	16.3	15.8	12.3	15.6	18.8	15.9	10.8	13.9	11.5	13.8	20.9	17.3	14.5	16.8	16.2	15.9	19.3	16.0
SUPT7L	5.7	6.8	7.1	6.7	6.7	5.7	5.6	6.8	8.6	7.1	5.9	6.8	7.0	8.2	7.2	6.6	7.1	7.0	6.8	8.4	5.8	6.5	6.9	7.1	6.4	6.7	6.9	6.6	5.5	6.2	7.3	7.2	8.5	8.3	6.3	7.0	6.6	6.0	6.8	7.2
SUPV3L1	9.6	9.4	9.5	8.1	9.0	8.5	7.6	8.3	9.8	10.0	9.1	8.9	9.3	10.5	7.7	10.0	7.3	8.5	8.2	9.1	8.6	9.5	7.2	6.4	9.0	8.8	10.4	8.7	6.4	7.9	8.0	9.1	7.0	9.6	9.2	9.3	9.1	7.0	6.5	7.2
SURF1	15.9	12.3	14.3	16.3	19.5	18.2	18.2	18.0	15.8	13.9	19.7	17.1	19.1	16.3	15.6	11.9	17.3	17.3	11.1	16.2	13.9	12.5	18.2	21.4	14.1	10.3	20.0	19.6	13.6	18.7	14.8	13.4	16.3	15.9	12.9	15.9	12.6	9.8	19.7	19.3
SURF2	3.8	4.0	3.5	5.2	3.3	3.7	3.6	4.6	3.7	3.9	4.7	4.5	5.2	4.7	2.7	3.7	5.4	2.9	4.0	4.8	4.6	3.0	4.1	4.0	4.2	3.9	4.2	3.8	2.9	4.8	1.7	4.1	5.2	3.7	4.8	2.5	3.4	2.6	4.1	3.0
SURF4	19.2	20.3	19.9	29.7	24.4	18.7	20.6	22.9	26.7	21.9	20.9	21.0	24.7	33.1	29.2	23.2	23.6	21.6	23.8	26.4	32.9	24.3	22.1	21.2	19.2	21.9	22.1	21.8	19.9	20.7	16.6	24.6	28.9	28.7	21.6	21.4	27.2	25.2	23.3	21.1
SURF6	6.0	5.7	5.7	5.5	5.8	6.2	4.5	4.8	7.5	5.7	6.2	6.2	7.1	7.5	8.3	5.7	7.4	5.0	5.9	7.1	6.7	5.3	6.3	5.6	5.7	5.7	8.0	6.0	6.2	6.4	5.9	7.3	6.8	7.5	6.2	6.3	6.8	6.4	6.6	6.0
SUSD2	1.3	1.4	0.9	1.6	1.4	1.3	0.7	0.9	1.9	0.7	1.2	0.7	3.4	3.1	8.0	0.7	1.9	1.0	1.3	2.2	2.0	0.6	1.1	0.7	1.0	1.6	0.4	1.9	4.0	1.3	1.7	1.9	2.8	2.0	0.9	1.0	1.2	1.2	1.4	0.8
SUSD4	1.8	1.2	1.6	2.4	7.1	7.3	4.8	1.3	2.1	1.1	0.6	2.4	0.7	0.1	0.9	2.3	0.3	1.8	0.5	4.8	1.9	1.7	1.4	0.6	3.6	1.4	1.1	1.8	0.6	1.1	1.0	1.3	0.9	2.4	0.6	1.3	3.6	1.5	2.3	0.4
SUV420H1	5.7	5.5	5.0	4.9	5.7	5.4	5.2	6.6	7.2	5.5	5.2	5.1	6.3	6.7	5.3	5.9	5.6	5.8	6.0	7.6	5.1	5.5	5.7	5.8	4.6	6.0	7.2	5.3	4.2	6.5	5.8	5.5	7.6	6.5	6.1	6.7	8.0	6.3	5.8	7.3
SUZ12	3.4	3.4	3.2	3.6	3.3	2.9	2.7	3.5	4.1	3.3	3.7	3.0	2.8	4.3	2.6	3.2	3.0	3.8	3.1	4.3	3.1	3.2	3.7	3.2	2.6	3.2	3.0	3.1	1.8	2.4	2.8	3.6	5.6	4.3	2.7	3.8	4.8	3.2	3.9	3.4
SVEP1	1.3	1.1	1.1	0.8	1.6	1.1	0.9	1.0	1.5	2.3	1.8	1.2	5.0	3.5	4.0	3.3	2.8	2.7	2.2	6.0	4.7	2.7	1.5	2.0	2.0	4.1	1.6	2.0	2.3	2.3	0.5	2.3	6.4	5.0	1.0	2.7	3.2	2.4	1.8	2.7
SVIL	66.7	82.4	74.8	51.7	90.5	61.8	42.5	81.4	93.1	105.4	100.6	92.5	106.5	91.2	69.3	102.9	114.2	115.9	87.4	81.4	67.1	93.9	99.9	96.6	72.2	88.8	122.0	108.3	55.0	57.5	79.4	92.0	83.4	117.1	116.0	118.6	129.1	112.8	104.8	88.4
SVIP	4.8	5.3	5.8	6.0	3.9	5.1	4.7	4.2	5.1	4.3	6.0	6.4	4.3	4.6	4.9	4.6	4.9	5.9	4.7	5.3	3.6	5.2	7.2	4.7	4.8	3.5	4.0	5.9	2.8	6.2	4.6	5.8	5.1	6.5	3.7	3.8	4.3	4.3	6.0	4.4
SWAP70	5.8	5.5	4.9	6.6	6.3	6.6	4.6	5.0	8.2	7.9	5.7	4.4	7.0	9.6	9.0	6.4	8.2	6.3	6.1	7.5	7.6	5.2	7.3	5.1	3.3	9.9	7.1	5.7	4.9	5.5	5.2	8.1	20.5	9.7	4.7	6.1	7.1	7.5	8.8	7.3
SYAP1	4.6	5.7	5.1	5.3	6.4	4.6	5.4	6.3	5.8	5.2	5.4	5.1	5.2	5.4	4.2	5.5	7.4	5.4	6.0	6.1	6.0	4.7	7.3	4.9	3.2	5.5	6.0	5.2	3.9	5.3	4.3	5.6	8.1	5.8	6.6	5.0	5.5	4.9	7.5	5.5
SYBU	0.5	0.7	0.8	0.8	1.4	1.2	1.2	1.5	0.7	0.5	0.5	0.5	0.8	0.8	3.6	0.4	0.6	0.4	0.7	0.7	1.3	0.7	0.9	1.0	1.1	1.1	1.6	1.6	1.3	1.0	2.5	1.6	5.2	1.3	1.1	1.0	1.7	1.5	1.7	1.0
SYDE1	3.0	4.2	3.3	3.4	4.7	3.9	2.8	3.6	4.9	3.0	4.5	3.5	4.0	4.9	7.3	2.8	3.7	3.1	4.1	5.0	5.3	4.1	4.1	4.3	3.0	4.2	3.7	4.8	3.9	3.8	3.7	5.0	4.9	5.2	3.4	4.1	3.9	4.0	4.4	3.7
SYF2	12.7	14.1	9.3	13.1	14.4	13.6	12.9	10.5	15.1	14.1	14.5	14.8	21.2	16.4	22.5	15.8	15.9	17.2	12.3	18.9	14.3	13.1	18.6	13.9	15.3	15.9	16.1	15.1	14.2	18.8	12.2	14.3	22.2	15.3	14.0	11.7	14.5	13.3	17.3	14.6
SYMPK	6.3	7.5	5.7	7.2	6.5	7.5	6.3	6.8	7.7	8.0	6.1	8.2	8.5	8.1	10.1	6.9	8.2	8.9	8.4	7.4	8.6	7.2	8.0	8.3	5.6	6.6	8.8	9.0	5.4	7.1	7.3	6.7	10.7	8.4	7.0	6.8	8.7	7.7	8.4	7.0
SYN1	2.0	3.1	2.1	2.8	2.6	2.3	2.2	2.8	2.3	2.4	1.5	2.0	2.4	3.1	1.6	2.3	2.0	2.0	2.2	1.0	2.1	2.1	2.4	2.2	1.6	2.1	2.4	2.7	1.6	2.5	2.5	1.9	1.3	1.4	2.0	1.4	2.0	1.8	2.9	2.0
SYNC	7.1	2.7	2.9	3.7	6.6	5.0	3.5	3.9	5.5	3.7	3.6	2.5	4.3	9.3	6.1	3.9	3.8	3.4	3.1	5.7	4.6	3.5	2.0	3.8	3.3	2.9	2.5	2.4	4.5	2.6	2.3	5.2	2.4	4.2	3.0	3.3	2.8	3.0	1.4	3.4
SYNCRIP	14.6	13.2	14.4	16.3	15.0	13.5	12.3	14.9	17.3	15.5	15.3	13.3	14.7	18.5	15.2	14.6	17.4	14.9	13.5	19.1	16.0	13.9	16.1	15.3	10.9	15.5	16.4	13.1	11.2	13.3	12.1	15.6	19.1	21.2	14.6	18.2	17.7	16.8	18.2	16.6
SYNE1	32.4	25.7	19.6	16.3	34.3	23.2	19.2	30.4	27.1	21.8	24.6	32.0	24.7	26.3	32.2	21.3	20.6	25.5	25.3	29.7	26.4	24.5	24.4	32.7	19.0	25.4	24.9	28.9	17.4	21.1	25.9	25.6	23.0	20.0	20.4	17.8	20.8	17.0	23.9	27.2
SYNE2	43.4	45.1	50.6	36.1	36.5	53.6	52.0	38.0	27.7	14.2	44.5	17.8	32.2	25.6	25.7	32.5	20.1	29.8	31.0	26.6	31.9	26.6	40.2	32.1	27.6	15.1	41.4	29.5	17.5	38.4	31.4	26.0	24.9	25.8	37.0	24.4	34.5	18.0	45.6	36.3
SYNGR1	9.3	8.9	9.1	9.3	12.7	8.6	10.0	11.0	9.9	6.4	8.2	9.4	6.9	10.6	9.3	9.8	8.6	6.6	9.6	10.8	7.4	9.7	8.6	11.4	7.3	6.3	10.3	9.1	6.4	8.6	9.9	9.1	5.5	7.9	9.9	8.5	8.7	6.9	6.7	9.6
SYNGR2	28.8	39.9	29.7	35.9	32.4	27.1	25.9	25.7	33.6	36.6	33.6	36.0	35.8	39.1	33.7	36.4	42.1	26.3	39.6	20.8	38.8	33.5	41.5	28.2	21.4	25.9	50.8	40.8	21.3	37.3	38.5	38.0	38.6	29.2	42.8	32.4	44.6	40.9	43.2	31.1
SYNJ2	1.9	4.0	3.9	3.3	4.2	2.3	1.9	3.2	3.4	2.4	2.8	3.3	2.3	4.1	3.3	2.6	2.9	3.1	2.4	4.8	3.0	3.1	3.0	2.9	2.0	3.5	3.0	3.7	2.0	1.9	4.1	4.6	3.6	4.8	6.0	7.7	5.8	4.3	3.4	2.7
SYNJ2BP	5.5	5.7	4.3	5.0	4.0	4.7	4.3	7.2	6.4	5.2	6.3	4.4	5.0	5.8	3.8	5.6	5.4	6.2	4.9	6.1	4.7	4.8	5.4	5.0	3.6	4.6	5.2	5.4	3.2	3.7	4.2	4.7	3.7	6.0	4.6	5.6	6.3	4.1	4.8	6.8
SYNM	104.9	82.3	91.7	81.5	88.8	80.7	72.3	102.2	95.4	100.6	106.6	72.5	102.0	96.9	50.2	77.1	109.6	126.1	89.7	72.6	72.2	83.2	95.7	88.6	64.6	80.6	91.6	95.2	62.3	66.1	92.4	78.1	61.1	113.1	94.8	89.7	127.6	94.5	89.7	100.4
SYNPO	102.9	121.8	123.4	125.6	120.2	127.8	102.1	156.1	151.5	177.0	132.4	137.5	157.4	212.2	148.9	155.9	197.7	148.8	147.3	126.6	129.4	143.8	166.0	142.0	74.1	116.3	133.9	165.2	122.1	101.0	93.1	141.4	74.9	146.0	87.0	120.7	147.2	160.7	110.1	115.7
SYNPO2	47.4	43.4	36.7	23.0	47.4	38.8	31.4	49.0	50.9	50.9	47.6	34.5	47.5	55.4	35.3	60.4	63.7	57.5	47.4	38.9	42.9	48.1	40.3	50.8	28.6	39.8	60.2	47.2	26.1	25.5	31.8	45.9	35.0	58.5	34.5	48.8	56.8	58.8	47.3	50.4
SYNPO2L	52.2	119.7	93.1	44.6	53.1	62.5	43.2	60.0	82.2	72.4	87.8	64.6	74.0	153.5	123.5	52.8	89.0	92.2	76.1	57.1	72.9	81.3	102.2	64.1	45.4	92.2	100.9	150.7	110.4	109.9	140.5	136.0	44.7	99.8	57.6	96.3	117.5	160.6	77.7	61.7
SYNRG	2.3	2.1	2.0	2.0	2.8	2.0	1.9	2.3	3.0	2.3	2.3	2.0	2.2	2.7	2.0	2.0	2.8	2.5	2.7	3.3	2.9	2.1	2.4	2.3	1.7	2.4	2.4	2.3	1.2	1.6	1.8	1.9	4.2	2.8	2.2	2.7	3.2	1.7	2.3	2.9
SYPL1	36.8	26.1	24.6	23.1	32.9	24.0	20.3	21.1	29.0	28.3	27.1	26.7	23.7	25.6	30.0	28.8	20.0	22.7	21.2	28.4	29.8	27.0	26.8	22.0	18.0	22.8	31.5	22.0	16.2	21.1	24.8	28.5	27.7	26.2	24.6	20.7	23.6	23.5	24.2	24.3
SYPL2	6.4	7.3	7.0	9.4	4.5	4.0	9.0	5.9	7.4	5.9	8.4	7.3	5.9	6.6	5.0	7.7	5.0	5.1	6.1	6.7	5.2	7.4	6.0	6.8	3.6	5.4	5.2	7.2	4.1	4.9	7.7	7.2	2.9	4.5	5.3	5.5	6.8	6.1	4.1	6.9
SYS1	4.6	4.3	3.1	4.4	5.6	4.0	3.4	4.6	4.3	4.0	3.7	3.7	4.8	5.3	5.5	5.3	3.6	3.8	4.0	5.0	5.8	4.7	4.7	4.9	2.5	4.2	5.1	3.8	2.8	4.7	3.6	5.0	6.8	4.3	5.0	3.8	5.7	4.1	5.1	4.3
SYT11	3.9	3.8	2.6	4.5	4.2	3.3	2.2	4.9	5.5	4.3	4.1	3.6	4.5	7.2	7.2	4.7	5.3	6.2	4.4	8.2	4.4	3.8	4.8	4.9	2.4	5.2	2.8	3.7	4.0	2.8	3.4	4.7	4.7	5.7	2.8	3.9	3.8	3.4	4.8	4.6
SYT7	4.4	4.6	5.9	5.5	3.6	3.0	5.3	4.2	3.5	3.5	4.1	2.9	2.2	2.3	1.9	4.9	2.1	2.0	4.5	2.7	2.0	4.2	4.9	2.9	1.5	2.7	3.0	4.7	1.2	2.6	3.8	4.2	2.0	2.3	3.7	3.8	2.6	2.7	3.7	4.0
SYTL2	0.7	0.8	1.1	0.7	2.4	1.6	0.6	1.4	3.5	2.7	2.4	2.1	3.8	4.3	9.6	1.5	4.5	2.6	2.6	7.4	4.6	2.3	2.6	2.3	2.2	4.1	1.2	2.0	4.8	2.0	2.1	4.2	4.2	3.7	1.4	1.7	1.5	1.1	1.7	1.8
SYTL3	3.0	2.4	1.5	1.3	2.4	2.0	1.7	1.9	1.9	1.8	2.4	2.6	3.3	4.3	2.2	2.0	2.3	2.3	2.4	2.8	2.9	1.4	3.1	3.4	2.6	2.3	3.4	2.8	1.5	4.2	3.1	1.7	4.0	3.6	3.5	2.6	3.5	2.4	4.5	2.5
SYTL4	2.1	2.0	1.2	1.4	2.8	1.3	1.3	1.7	1.9	2.3	1.2	1.4	2.7	2.5	3.2	2.8	2.5	1.8	1.5	2.8	3.0	1.1	1.5	1.3	2.6	3.0	3.3	1.9	2.2	2.6	1.4	3.0	6.6	5.1	1.5	3.8	3.4	3.8	5.0	1.3
SYVN1	7.2	8.7	6.6	8.9	7.5	7.0	6.4	8.2	9.3	7.6	7.1	7.8	8.6	9.5	12.4	8.0	7.5	7.8	8.3	9.5	10.7	8.1	7.8	8.0	8.2	8.3	9.2	8.3	7.1	7.7	7.6	9.2	14.1	9.7	7.9	7.3	9.3	7.6	9.6	7.6
TAB1	5.6	5.8	5.3	5.1	5.9	6.0	4.4	6.0	7.2	5.2	6.4	6.0	6.4	7.4	7.0	4.6	5.5	6.0	6.1	6.3	5.8	5.1	5.9	5.7	3.9	5.5	6.2	6.9	4.7	5.9	5.3	5.9	6.2	5.1	4.6	4.3	5.7	4.1	5.1	5.6
TAB2	17.8	14.7	14.7	19.9	16.3	13.5	13.6	18.5	13.8	13.3	13.1	10.0	14.7	15.5	12.4	15.2	13.1	13.5	12.9	14.9	12.9	14.7	14.1	13.0	9.9	14.4	15.3	13.4	8.0	8.8	9.3	14.1	17.0	14.4	11.9	14.8	17.8	13.7	16.9	18.8
TAB3	3.4	2.7	3.4	3.0	3.5	3.0	2.4	3.1	3.4	2.5	2.5	2.3	2.5	4.0	2.4	3.0	3.7	3.5	2.9	4.0	2.8	3.0	3.3	3.3	4.0	2.2	3.3	2.7	2.0	2.5	2.7	3.4	4.5	6.1	3.6	4.5	4.7	3.2	3.7	3.5
TACC1	12.8	15.8	15.5	11.4	15.8	15.4	14.2	16.7	15.0	10.2	9.4	7.9	11.1	10.6	11.1	17.8	11.5	13.5	12.8	13.8	13.0	9.6	10.1	8.4	12.1	23.3	15.4	13.1	8.0	17.5	13.2	14.1	40.7	24.5	20.5	21.4	22.8	13.7	22.3	10.4
TACC2	65.7	58.3	53.2	35.9	64.5	49.3	39.1	49.1	46.1	50.2	52.7	47.1	44.5	39.8	39.1	55.3	43.1	49.1	42.8	37.0	44.0	52.5	52.4	54.8	38.9	43.6	73.2	55.6	31.6	41.6	48.4	57.2	23.5	35.1	53.1	38.2	50.5	43.3	39.3	49.2
TACO1	15.2	16.7	21.5	16.4	14.1	15.0	14.8	14.9	16.7	12.3	17.4	14.3	12.7	13.4	12.6	15.7	12.9	16.0	14.9	13.4	12.7	15.7	16.2	14.7	12.6	9.5	13.5	16.1	11.0	14.8	14.8	16.0	7.6	15.3	12.2	15.3	12.5	11.8	13.3	17.4
TADA1	3.2	3.7	2.5	1.7	3.2	2.8	2.4	2.9	3.5	2.5	2.3	2.8	2.3	3.1	3.6	2.3	1.9	2.4	2.6	3.4	2.6	2.7	3.0	2.6	1.9	2.4	3.2	2.8	2.0	2.1	2.9	2.9	1.8	2.1	2.2	2.2	2.7	2.0	2.5	2.5
TADA2A	3.0	2.9	3.6	2.9	2.9	2.7	2.0	2.9	3.6	3.7	3.3	3.8	3.3	3.8	3.9	2.1	2.8	3.1	2.7	4.0	3.0	3.1	3.7	3.1	2.0	3.2	4.4	3.5	2.0	2.3	3.0	2.9	4.4	3.8	2.2	3.4	4.5	3.1	3.2	3.3
TADA2B	5.7	6.8	6.0	7.2	6.8	6.7	5.5	5.8	6.3	5.3	6.2	5.2	5.1	5.1	5.4	6.5	5.1	4.5	5.4	5.3	5.3	5.1	5.8	5.3	4.7	4.7	6.9	6.5	3.9	4.2	5.0	5.3	4.6	7.0	6.1	5.9	6.5	5.6	6.5	6.3
TADA3	13.5	11.0	12.5	14.6	15.2	12.6	11.7	13.3	14.1	12.5	13.3	13.1	15.4	19.6	18.4	13.4	13.5	11.9	11.0	14.1	11.6	13.7	12.0	13.6	9.7	12.0	12.4	14.6	13.0	15.6	12.8	15.8	13.9	16.4	13.0	12.2	13.5	14.8	14.6	11.5
TAF1	2.8	2.5	2.6	2.5	2.7	2.5	1.8	2.8	4.2	3.2	3.3	2.2	1.9	2.7	2.0	2.3	3.2	4.0	3.2	4.8	2.8	2.6	3.5	3.1	2.3	2.4	2.6	2.5	1.5	1.4	2.3	2.3	4.9	3.9	2.8	3.8	3.9	2.4	2.8	3.4
TAF10	24.6	23.8	21.1	25.2	26.0	23.0	20.9	27.0	27.4	23.6	26.1	31.2	30.6	34.4	27.8	22.3	33.2	28.7	26.5	22.2	23.7	19.3	31.0	26.1	23.2	22.1	29.4	30.6	19.2	27.2	31.6	30.7	27.6	23.5	22.2	21.3	21.5	26.6	26.5	24.3
TAF11	5.2	7.6	5.3	7.1	5.9	7.3	6.9	6.9	8.2	6.0	7.3	6.9	8.2	7.6	7.0	6.9	7.2	7.1	7.3	5.7	5.3	6.1	7.0	5.6	6.2	6.8	7.8	6.8	4.2	7.1	7.0	7.3	9.8	9.2	8.1	8.3	8.0	6.8	11.1	6.9
TAF12	8.7	9.3	7.6	11.5	7.4	9.0	7.9	7.2	8.6	9.6	8.1	10.1	10.8	10.1	10.9	10.6	9.6	8.6	7.9	9.3	9.0	8.0	9.5	8.7	8.5	8.3	9.9	11.0	8.2	8.9	9.1	10.2	13.0	10.0	9.2	9.1	10.8	9.1	10.0	9.0
TAF13	10.1	10.0	12.7	10.4	7.1	8.7	10.5	13.3	12.3	11.2	12.2	10.8	11.9	16.9	11.1	16.8	10.0	14.1	11.3	15.0	10.0	12.3	11.4	12.6	6.5	13.0	11.9	11.5	6.5	15.1	9.3	16.4	15.0	15.6	8.5	12.6	10.5	12.3	15.4	12.4
TAF15	22.8	22.2	21.2	20.2	17.3	20.1	20.1	25.0	25.8	25.7	23.5	24.3	30.5	27.9	33.5	23.9	30.4	29.2	24.8	29.3	19.9	21.5	26.7	23.7	19.5	25.3	31.9	31.9	21.2	26.8	22.4	25.5	31.9	31.4	23.7	25.9	25.7	23.0	27.1	25.4
TAF1C	5.5	8.0	4.5	6.1	6.2	6.8	6.6	4.8	7.1	4.1	5.7	7.0	6.7	7.5	10.2	6.1	6.4	4.9	7.3	5.6	7.8	5.2	3.9	5.0	6.3	4.9	7.1	7.4	6.4	8.4	9.3	8.2	14.1	6.9	8.2	4.9	7.9	6.3	4.5	5.9
TAF1D	3.9	4.1	4.0	4.9	6.3	5.0	4.8	2.5	5.0	4.4	3.2	4.5	4.8	5.6	5.8	3.9	5.2	3.9	3.8	5.0	4.7	3.7	4.5	3.8	6.9	6.0	5.6	4.4	3.6	4.4	3.5	6.0	13.5	6.4	4.4	4.1	6.5	5.6	6.5	4.3
TAF2	1.7	1.8	2.3	2.2	2.5	2.2	1.7	2.3	2.6	2.4	2.4	2.3	2.3	3.4	2.0	2.3	2.8	2.4	2.2	3.6	2.5	1.9	2.5	2.0	1.6	2.0	2.0	2.2	1.1	2.2	2.2	2.4	3.7	3.3	2.2	3.0	3.4	2.3	2.8	2.5
TAF5L	2.0	2.6	3.4	3.0	3.7	2.8	2.7	3.0	3.5	2.9	3.3	2.2	2.9	3.6	4.2	3.7	3.8	2.5	2.9	3.4	3.2	3.2	3.0	2.8	4.3	4.1	4.9	4.1	3.3	5.4	3.3	4.7	6.5	6.9	3.9	4.0	6.7	4.8	4.4	2.6
TAF6	8.3	8.4	6.9	9.2	9.3	9.8	8.3	9.7	11.3	10.2	9.0	9.3	9.8	12.7	12.7	9.0	10.7	9.9	10.0	9.6	9.9	9.1	9.5	11.3	7.6	9.4	8.2	10.7	8.5	9.9	9.0	9.9	10.4	10.7	9.8	8.7	9.9	8.0	9.1	8.5
TAF6L	2.3	2.9	1.9	2.6	3.1	3.2	1.7	2.1	2.4	1.2	3.0	2.5	2.7	2.9	3.2	1.7	2.1	1.8	2.3	2.7	2.5	2.2	2.0	2.0	2.4	1.6	2.6	2.4	2.8	2.3	2.4	2.0	3.0	2.4	1.4	2.4	2.5	1.5	2.1	2.3
TAF7	37.5	41.4	35.8	35.7	33.9	36.2	37.8	39.8	48.6	45.9	42.2	45.0	44.2	53.7	42.9	47.1	44.8	46.3	37.4	49.3	42.0	43.5	44.9	47.2	36.6	41.7	48.8	49.4	29.9	44.9	35.8	51.9	45.3	52.7	43.5	48.0	52.1	44.3	47.2	48.4
TAF8	3.0	2.9	3.2	2.3	2.9	2.6	2.5	3.5	3.1	2.2	2.4	2.0	2.7	2.7	2.4	3.3	1.7	2.2	2.8	2.3	2.5	2.2	2.5	2.2	2.2	2.5	3.8	3.8	1.9	2.1	2.8	3.0	2.7	3.0	3.0	3.2	3.6	2.4	4.1	2.8
TAF9	21.1	24.8	22.4	26.8	23.6	22.1	20.1	28.2	24.5	27.4	26.4	23.2	26.4	29.1	24.6	22.0	24.4	24.4	20.1	24.0	21.5	21.8	28.9	21.8	17.6	21.4	27.4	22.6	18.3	27.5	21.8	26.3	27.9	24.3	21.1	21.1	27.6	22.2	25.7	24.1
TAF9B	5.0	6.0	4.1	4.3	5.5	5.8	4.4	5.7	7.6	5.0	7.2	7.0	5.8	4.7	5.9	6.7	6.4	7.4	5.3	5.2	6.1	5.4	7.7	5.7	3.9	7.1	6.7	5.5	3.9	3.6	4.8	5.0	5.5	6.9	5.8	5.0	5.3	5.5	8.3	5.7
TAGLN	58.7	61.3	65.7	102.9	164.2	69.3	57.2	76.8	125.6	65.9	66.7	59.0	98.0	241.1	590.6	92.2	141.1	66.5	71.9	274.0	207.1	76.5	63.7	55.9	166.3	167.4	50.6	55.2	160.1	82.6	73.5	142.3	254.6	206.2	52.1	91.9	73.5	179.9	184.1	60.3
TAGLN2	66.4	47.3	59.6	54.0	85.4	65.0	51.2	60.5	103.4	67.6	53.7	49.9	64.3	50.2	140.5	53.4	49.1	65.2	67.1	102.7	95.2	74.3	43.0	42.2	52.4	94.4	52.8	53.9	71.4	78.0	54.0	65.2	140.2	87.3	52.6	55.7	60.1	60.3	76.9	50.6
TAL1	1.1	1.0	0.7	0.9	0.8	1.0	0.8	0.7	1.0	1.0	0.5	0.7	1.1	0.7	1.2	1.2	0.7	1.2	0.8	1.2	1.3	0.5	0.7	0.9	1.0	1.4	1.1	1.3	1.0	2.0	1.2	1.5	3.6	3.2	1.6	1.5	2.4	1.4	2.0	0.8
TALDO1	24.3	27.9	24.9	31.5	25.7	33.0	26.8	24.8	25.9	24.3	28.0	28.3	31.1	31.8	33.3	26.7	30.3	23.3	26.7	27.0	42.2	25.8	27.3	26.2	19.8	23.2	29.8	29.4	20.4	31.5	23.9	26.3	34.3	26.4	25.3	21.4	26.5	23.1	28.6	24.8
TANC1	17.4	12.8	16.6	11.8	15.7	9.8	8.4	11.1	19.8	27.1	18.6	22.7	11.1	14.0	8.6	15.0	22.0	16.7	22.3	13.9	14.5	20.2	18.6	19.4	10.9	13.5	27.2	18.1	5.5	6.3	13.7	11.4	13.5	14.8	36.9	10.4	15.3	10.1	13.8	23.1
TANK	7.7	8.0	8.5	8.6	9.5	7.5	7.5	7.5	9.4	7.2	8.4	7.7	10.6	9.9	9.5	9.4	6.9	7.5	5.5	10.1	9.7	7.3	9.2	8.4	5.8	7.3	8.8	8.6	6.2	6.3	5.7	8.4	12.5	7.8	5.3	9.5	10.4	7.5	10.6	9.7
TAOK1	4.2	3.6	3.9	3.0	3.7	3.2	2.8	4.0	5.7	3.6	4.3	3.3	2.9	4.6	2.9	3.2	3.6	4.4	4.0	5.2	3.8	3.8	4.2	3.4	3.2	3.5	3.4	3.7	2.3	2.6	3.2	3.6	4.5	5.0	3.6	4.1	5.6	3.3	3.7	4.1
TAOK2	9.4	8.8	7.7	9.2	10.0	8.7	7.7	9.3	12.0	10.5	9.6	10.4	10.7	10.3	13.0	10.2	9.8	10.3	10.9	13.0	11.2	9.5	10.0	9.3	6.8	6.6	9.0	11.1	7.5	9.0	8.4	9.8	15.9	14.0	8.8	9.0	12.3	9.8	11.6	9.0
TAOK3	6.6	5.3	6.0	5.9	7.6	6.7	6.7	6.2	7.5	6.1	6.2	5.2	9.6	9.6	8.3	6.5	8.1	7.1	6.6	8.3	6.7	6.4	6.9	6.1	5.2	5.6	6.7	6.3	5.6	5.6	5.8	6.5	8.9	7.4	4.7	6.9	8.2	7.3	6.3	6.7
TAP1	4.3	4.3	4.8	8.5	6.1	5.2	4.5	4.3	6.7	4.6	5.6	4.2	14.0	4.7	7.8	5.2	3.3	3.6	5.7	7.3	5.5	4.7	4.5	8.6	4.8	6.1	6.5	5.7	7.4	9.0	5.7	6.9	13.8	8.1	6.2	5.5	6.7	4.5	9.0	5.5
TAP2	3.0	3.8	2.5	4.9	4.3	4.7	3.9	3.6	6.4	3.7	3.7	3.6	9.5	2.9	5.2	4.1	2.5	4.1	5.2	6.0	3.1	3.7	2.7	6.7	2.6	4.3	4.5	3.2	3.1	5.2	4.8	5.5	6.1	5.4	3.3	2.8	3.7	3.2	4.6	4.6
TAPBP	8.1	7.9	8.0	7.9	12.0	9.7	6.5	10.2	12.3	8.7	10.2	11.0	11.3	9.5	12.8	11.0	10.0	10.1	11.4	11.9	10.1	11.6	11.4	10.3	6.2	9.5	8.1	8.8	8.3	5.7	6.8	10.6	10.4	12.0	9.8	6.5	11.5	7.8	9.1	10.1
TAPBPL	7.1	6.0	2.8	3.7	5.6	4.8	2.8	3.4	5.0	5.0	6.5	5.1	5.6	3.9	8.9	4.0	5.6	4.0	4.4	8.9	5.1	4.7	4.3	5.3	3.2	6.4	7.0	5.2	5.8	4.1	5.8	3.4	7.5	3.5	3.7	5.3	3.8	2.7	2.6	4.8
TAPT1	4.1	4.4	3.9	3.5	5.5	3.2	3.2	4.2	4.4	4.1	3.7	3.2	3.9	5.2	4.0	3.9	4.2	4.2	4.3	4.3	4.2	3.3	4.6	3.5	3.4	4.6	5.2	4.5	3.2	3.8	4.2	4.1	5.5	4.8	4.8	4.7	5.4	4.1	6.1	3.9
TARBP2	2.2	2.9	1.9	3.3	2.5	3.1	1.7	3.0	2.5	2.3	2.6	2.7	2.4	2.8	3.4	2.3	1.8	2.7	2.6	2.8	2.9	2.6	2.0	2.7	2.1	2.0	2.8	3.1	2.4	2.8	2.2	2.7	3.2	2.8	2.0	1.8	2.7	1.7	1.6	1.9
TARDBP	18.7	27.1	19.6	22.8	27.9	18.9	18.0	20.2	22.9	23.3	25.1	20.9	26.9	23.5	22.9	24.5	23.8	25.9	23.4	26.5	22.2	20.8	24.3	24.2	20.5	21.5	27.3	24.9	16.6	24.1	20.0	23.2	29.0	29.8	27.8	22.4	28.4	23.2	28.7	26.6
TARS	13.0	12.9	14.6	16.4	13.5	11.2	10.8	14.5	14.7	17.8	16.4	12.9	18.1	18.1	12.7	14.0	14.1	16.2	15.5	13.5	18.8	15.2	22.6	14.6	8.4	12.8	13.6	17.2	8.7	16.3	11.7	14.2	14.1	14.3	10.9	12.2	17.4	13.0	16.1	14.5
TARS2	6.4	8.4	7.3	10.2	6.4	8.8	6.3	6.1	9.6	8.9	11.3	11.1	9.0	7.5	8.3	9.3	6.3	11.2	7.2	10.1	8.5	8.3	9.8	10.0	7.0	8.1	9.8	9.6	5.6	7.2	7.0	8.0	5.8	8.7	7.2	9.0	7.7	6.9	8.6	8.4
TARSL2	11.5	13.7	11.1	11.4	9.4	10.7	8.5	10.2	10.4	11.0	9.4	10.7	10.0	9.4	6.7	12.0	10.1	10.0	9.2	7.8	11.5	9.5	14.4	10.6	7.2	8.8	12.5	10.7	5.8	8.1	7.0	9.8	7.4	8.5	8.5	8.7	10.8	9.0	11.3	12.7
TATDN1	6.7	7.6	8.6	9.1	9.3	7.0	7.8	7.2	8.3	6.6	7.0	8.2	7.9	10.4	10.6	8.1	10.1	10.6	7.9	7.8	7.7	8.2	7.8	7.3	8.1	6.8	10.6	8.8	6.3	8.0	6.2	10.3	13.1	9.3	8.6	9.9	8.3	7.2	9.0	9.3
TATDN2	3.5	3.9	3.3	4.0	4.9	3.4	3.5	3.7	4.9	3.6	4.6	3.6	3.9	5.0	5.2	4.1	4.3	3.5	4.5	5.2	4.1	4.0	3.3	3.4	3.7	3.6	4.2	3.1	3.6	3.5	3.3	4.4	5.8	5.4	3.6	3.5	4.5	5.0	5.1	4.0
TATDN3	3.0	3.3	4.0	3.4	3.3	4.0	3.2	3.3	3.4	3.1	3.7	4.5	3.8	3.9	2.8	4.2	3.4	4.6	2.5	2.9	2.6	3.0	3.3	3.4	2.8	2.4	3.9	4.1	2.1	3.4	2.9	3.5	2.5	3.9	2.7	3.6	2.9	1.4	3.2	4.3
TAX1BP1	44.4	44.1	45.2	42.9	42.6	41.1	42.0	46.8	51.8	47.5	44.3	43.9	49.7	51.6	36.9	53.8	50.8	53.8	42.6	45.0	46.7	46.7	49.6	47.6	33.3	37.4	47.5	47.4	31.6	38.8	43.0	48.5	37.2	50.4	36.9	51.9	51.6	53.0	55.2	46.7
TAX1BP3	37.4	36.8	37.6	34.6	47.7	37.1	36.3	27.3	49.8	35.0	47.7	45.0	39.3	69.2	57.4	40.7	35.9	44.7	42.1	56.1	55.8	45.3	36.4	45.2	34.0	39.6	46.3	49.9	43.7	64.2	45.2	56.8	31.5	57.8	40.5	54.5	58.5	58.9	37.4	32.7
TAZ	9.5	9.7	7.7	8.2	10.1	8.7	8.4	10.2	9.1	7.9	10.3	10.2	10.4	11.5	10.9	8.8	9.0	9.0	8.6	9.5	8.6	8.5	8.3	8.9	8.8	8.2	8.6	9.6	8.8	11.7	10.4	9.4	11.9	8.7	9.5	8.2	10.8	7.1	8.5	8.4
TBC1D1	14.8	13.3	12.6	14.0	21.3	14.1	12.1	14.9	14.1	12.0	11.1	12.1	13.7	18.6	14.5	16.0	14.4	13.1	12.0	12.4	11.6	12.4	11.6	13.0	12.7	13.1	15.1	15.5	11.1	11.5	13.1	14.7	16.6	16.0	14.0	13.9	15.7	16.8	15.6	13.3
TBC1D10A	1.4	2.3	2.0	2.0	2.5	2.0	2.3	2.8	2.9	1.7	1.4	1.8	1.8	3.0	5.4	1.9	1.9	1.7	1.8	3.5	3.6	2.2	1.4	1.6	2.8	3.9	3.7	3.8	3.0	3.0	3.6	3.6	8.7	4.4	3.9	3.2	3.8	3.6	4.3	2.2
TBC1D10B	4.1	4.3	3.3	4.8	4.2	4.2	3.1	4.6	5.4	3.9	4.3	4.2	4.4	5.9	6.0	4.5	4.0	3.5	4.1	4.7	4.9	4.2	4.2	4.2	4.4	4.2	4.3	5.2	4.0	5.3	4.6	4.6	7.2	5.5	5.2	3.9	4.9	4.4	5.1	4.4
TBC1D13	3.9	5.0	3.4	4.6	5.0	4.4	3.8	4.1	5.6	4.8	4.7	5.0	5.6	6.0	5.4	4.6	4.4	4.7	4.7	5.2	5.5	4.8	4.4	4.9	3.8	4.1	5.0	5.8	4.9	4.8	5.0	4.0	5.2	5.3	4.4	4.1	5.0	4.4	4.9	4.3
TBC1D14	11.0	11.6	9.8	11.0	14.3	9.8	10.5	11.6	11.4	9.3	10.6	8.7	13.6	11.2	10.6	11.4	11.2	10.6	9.5	11.3	11.9	10.6	10.1	10.0	8.1	8.4	11.5	11.8	8.2	8.5	7.4	8.6	11.4	11.6	8.1	8.6	12.4	9.8	8.9	11.1
TBC1D15	2.7	2.9	2.7	3.3	3.8	2.7	3.3	2.9	3.4	2.6	2.8	3.1	3.6	3.4	3.4	3.5	3.2	2.9	3.0	4.0	3.5	3.3	2.9	3.5	2.7	4.0	4.1	4.1	1.7	3.3	2.5	3.7	7.2	3.7	3.1	3.9	3.8	3.2	4.3	4.1
TBC1D16	2.0	2.3	2.7	2.2	3.4	2.6	2.2	2.0	3.1	2.9	3.0	2.3	2.3	3.7	3.8	3.0	3.3	4.1	2.7	3.6	6.3	2.9	2.8	2.6	1.1	2.3	3.0	3.3	2.0	1.4	1.9	2.3	4.9	4.0	2.0	3.2	3.6	3.6	2.1	2.2
TBC1D17	11.7	12.1	9.3	11.7	14.8	17.6	10.7	10.9	13.8	13.9	12.1	14.9	16.3	15.8	18.9	15.0	12.0	11.4	12.5	13.2	15.3	12.4	14.5	13.8	13.0	13.8	17.3	16.1	12.1	16.6	12.2	13.1	20.9	17.4	16.1	13.6	15.6	12.3	16.7	13.3
TBC1D20	4.5	5.2	4.5	5.3	5.9	4.7	4.3	5.7	6.1	6.0	5.3	5.0	4.7	6.1	6.8	5.8	5.7	5.4	5.8	6.4	5.9	5.0	5.1	5.1	4.1	6.7	5.9	6.2	4.3	3.7	4.3	4.7	8.5	7.0	5.2	5.0	5.5	5.0	6.3	5.3
TBC1D22A	3.5	3.1	2.6	2.8	5.0	4.0	3.0	3.6	3.9	3.2	3.8	3.6	4.3	4.3	4.8	4.4	4.1	3.7	3.1	4.5	5.3	3.8	4.3	3.5	2.6	2.9	3.6	4.7	3.9	3.7	3.5	4.4	5.1	3.9	3.4	3.5	4.5	4.2	4.3	4.0
TBC1D22B	1.9	2.0	2.1	2.6	2.4	2.1	1.4	2.2	2.2	2.7	2.3	2.1	2.2	3.2	2.5	2.9	2.0	2.2	1.9	3.3	2.6	2.1	2.0	2.5	2.2	2.3	2.4	2.7	1.4	2.3	2.2	2.4	3.6	2.6	3.1	2.5	2.6	2.7	2.7	2.1
TBC1D23	5.3	5.4	4.9	4.8	4.9	4.1	3.1	5.0	5.7	5.1	5.1	4.2	5.8	5.3	4.4	5.2	6.1	6.4	3.8	6.3	4.8	4.9	5.3	4.9	4.2	5.4	4.8	5.2	3.4	3.9	4.5	5.3	8.1	6.2	3.4	5.6	5.8	5.0	5.4	5.8
TBC1D25	4.2	4.4	3.6	3.8	4.6	3.7	3.3	4.1	4.3	3.2	3.0	3.4	3.1	3.9	4.2	3.4	3.1	3.5	3.3	3.3	3.8	3.8	4.0	3.8	3.5	3.9	5.1	4.7	2.7	3.5	3.6	4.0	3.5	4.2	3.8	3.6	4.2	4.2	4.9	3.8
TBC1D2B	3.5	2.6	2.0	2.4	4.6	3.2	2.1	3.2	4.7	3.1	3.5	3.5	4.7	4.3	8.1	3.0	4.0	3.4	4.1	7.5	6.8	3.5	3.4	3.0	3.1	4.2	2.8	3.1	4.2	2.7	2.5	3.5	9.0	3.7	2.0	3.9	3.5	2.7	3.7	3.9
TBC1D3F	3.3	4.4	2.5	2.3	5.6	4.8	2.4	3.9	3.2	3.1	3.8	3.9	3.9	2.9	4.7	2.2	3.1	3.2	3.6	4.4	4.4	3.7	6.1	3.9	4.7	4.1	3.4	4.9	2.8	3.6	4.5	2.1	6.6	3.7	5.1	3.6	3.8	2.9	5.4	3.8
TBC1D4	9.9	20.6	16.0	14.1	20.6	17.3	16.7	20.1	16.5	13.5	14.5	14.6	10.2	15.5	8.4	11.7	12.8	20.0	13.3	16.5	13.1	12.5	14.2	18.5	14.1	15.8	16.7	15.7	7.9	10.7	15.1	15.8	13.4	21.4	16.2	18.5	18.0	12.2	16.9	19.1
TBC1D5	4.9	4.8	4.2	3.5	6.8	4.5	3.8	5.5	4.9	3.6	4.1	3.5	4.4	4.8	5.6	4.9	4.4	4.7	4.5	7.3	5.1	4.7	4.0	3.7	2.7	5.0	4.1	3.6	2.9	3.3	3.8	3.9	7.1	5.6	4.0	4.2	6.0	3.7	4.4	5.5
TBC1D7	7.5	6.3	5.8	3.0	7.8	5.5	6.1	5.9	6.2	5.4	6.2	6.4	7.7	7.0	5.9	7.0	5.0	7.7	7.1	10.0	6.0	6.7	5.9	5.9	5.6	5.5	5.4	5.3	6.0	8.1	7.0	7.3	3.3	7.3	5.6	6.7	5.4	7.3	6.7	6.9
TBC1D8	10.7	14.7	9.6	6.8	20.0	12.9	10.0	9.0	11.9	12.8	14.3	15.7	12.9	17.0	12.1	13.0	14.2	16.3	11.4	13.2	13.9	13.2	13.3	16.8	13.5	14.6	19.2	20.2	9.7	14.1	14.5	12.2	14.5	19.3	16.8	19.3	16.9	19.6	20.7	13.3
TBC1D9	4.9	3.0	3.0	3.6	4.9	2.6	2.6	3.7	4.3	5.1	3.7	3.2	3.8	4.4	4.2	4.7	4.4	5.3	5.1	6.4	4.5	5.1	4.3	4.0	1.9	4.4	3.4	4.3	1.9	2.8	4.3	4.3	8.6	4.9	3.8	4.9	3.8	3.9	3.9	4.6
TBC1D9B	9.1	7.6	9.1	8.3	11.6	8.7	6.9	9.5	11.9	9.4	10.4	9.1	9.3	11.3	17.0	9.3	10.8	9.6	10.4	13.7	13.1	9.1	7.9	8.5	6.9	10.1	11.1	10.8	7.0	7.7	8.8	10.3	15.7	11.7	8.1	9.7	11.6	11.3	9.7	9.8
TBCA	36.6	40.7	40.3	46.3	40.4	32.5	40.4	34.3	43.8	41.8	51.9	47.0	42.8	43.2	62.6	48.2	57.2	54.0	46.8	53.7	45.3	39.3	55.9	47.4	57.0	47.1	53.0	51.9	37.8	49.9	45.7	55.0	56.7	62.3	50.3	45.6	38.9	40.1	59.1	50.3
TBCB	10.7	13.2	12.3	20.2	20.0	15.4	14.6	13.9	18.0	11.1	17.0	17.4	18.6	20.7	20.7	13.7	18.6	18.7	16.1	23.6	16.9	19.1	15.1	15.2	15.8	13.6	17.8	16.5	15.4	17.0	16.1	18.8	17.9	19.1	15.7	15.7	19.3	21.3	16.2	13.9
TBCC	3.4	3.7	3.5	4.2	3.8	4.1	3.0	3.8	4.9	3.4	4.3	4.5	4.6	5.1	5.3	4.6	4.0	2.9	3.4	5.0	4.6	3.4	4.3	4.6	3.6	2.3	4.3	3.9	2.7	3.4	2.6	3.6	4.9	4.4	4.0	4.6	4.3	3.0	5.1	4.0
TBCD	6.3	7.6	6.2	6.8	9.3	7.4	6.3	7.8	7.8	6.4	7.5	10.0	8.5	9.1	10.1	7.2	8.1	7.4	9.0	9.2	9.3	9.1	7.1	8.3	7.6	6.5	7.4	7.9	7.4	10.2	10.0	8.4	13.8	10.3	7.9	8.6	10.4	9.1	7.8	6.6
TBCE	6.9	6.1	8.8	8.8	6.5	4.6	6.9	4.6	6.1	6.7	7.2	6.2	7.6	7.5	6.1	6.4	6.4	5.0	5.6	4.4	5.8	5.2	7.9	5.2	3.4	5.7	7.3	7.5	4.8	4.9	6.2	7.1	6.0	5.0	6.2	4.6	5.3	5.5	6.4	7.5
TBCEL	2.4	2.3	2.8	3.0	2.6	2.2	2.0	3.1	3.9	2.4	2.9	2.4	3.2	3.5	2.1	3.1	2.9	3.6	3.3	3.7	2.8	3.1	3.3	2.6	2.0	2.2	3.3	2.4	1.7	1.8	2.2	3.5	3.4	3.8	3.1	4.2	4.0	3.2	3.6	3.5
TBCK	2.2	1.7	1.2	1.4	1.8	2.0	1.7	1.7	2.3	2.1	1.9	1.7	3.3	2.5	3.1	1.9	1.9	2.5	2.5	3.3	3.7	2.1	2.1	2.4	1.9	2.9	1.7	2.6	1.8	2.0	2.1	2.4	4.3	2.9	2.1	2.4	3.0	2.2	2.6	2.4
TBK1	4.3	4.2	4.1	4.0	5.0	4.2	3.9	3.5	5.2	4.3	3.7	3.4	6.5	5.5	5.0	4.4	4.1	5.4	4.5	5.7	5.1	4.2	4.0	3.3	3.0	4.8	4.8	4.4	3.1	4.1	3.9	4.6	7.1	5.2	3.3	4.0	5.2	4.3	4.5	4.6
TBKBP1	2.8	2.4	1.7	2.2	3.2	2.2	2.0	2.6	2.9	2.1	2.5	3.2	3.2	2.9	4.2	2.6	2.3	2.6	3.2	3.3	2.9	2.5	2.2	3.1	2.0	2.6	2.2	2.2	3.2	2.9	3.1	3.3	3.7	3.7	2.7	2.2	3.5	3.0	2.2	2.6
TBL1X	1.8	1.7	1.8	2.3	2.1	2.3	1.9	2.6	2.7	2.4	2.1	2.6	2.1	4.5	3.9	3.0	3.0	2.5	2.6	3.0	3.0	2.2	2.3	2.7	2.8	2.7	2.5	2.9	1.7	3.0	1.6	2.2	3.9	3.1	2.6	1.8	2.5	1.8	2.1	2.8
TBL1XR1	6.9	8.0	5.7	9.5	7.3	6.7	6.2	7.5	9.4	8.0	7.7	8.1	10.2	11.3	8.3	7.5	9.7	10.6	7.5	11.2	8.2	7.5	9.2	7.9	6.3	9.9	6.8	7.6	7.4	7.5	7.8	9.0	9.2	9.7	7.1	7.0	10.5	6.8	9.4	8.5
TBL3	4.4	4.8	4.4	4.8	5.3	5.4	3.6	4.7	4.2	4.2	4.4	5.3	5.0	5.5	5.9	4.7	4.6	3.9	5.0	4.9	4.6	4.2	4.4	5.2	3.9	4.4	5.5	6.6	4.0	6.6	5.2	5.3	6.9	5.0	5.0	4.1	6.2	5.4	4.6	4.7
TBP	2.3	2.4	1.6	2.3	2.4	2.3	1.9	2.1	3.8	1.9	1.9	2.8	2.4	3.1	2.8	2.9	3.1	2.6	2.2	3.5	3.1	2.2	2.1	2.5	2.2	1.6	3.1	2.9	2.1	2.1	1.9	2.5	4.1	3.0	2.7	3.6	2.8	2.7	2.4	3.4
TBPL1	3.7	3.8	6.4	4.4	6.7	4.7	2.6	3.3	3.9	3.5	3.6	4.0	4.4	3.7	5.4	3.7	2.8	3.7	4.2	4.5	3.6	2.6	3.8	2.9	6.4	4.7	9.5	3.6	2.8	6.2	5.5	4.2	7.8	7.9	5.6	4.7	9.9	6.6	6.4	3.1
TBRG1	3.3	4.2	3.6	4.4	4.8	3.4	2.7	3.7	4.1	3.5	3.8	3.2	3.9	5.0	3.8	4.7	3.8	4.3	3.9	5.0	4.2	3.7	3.7	3.3	2.6	3.4	4.1	4.2	2.9	3.4	3.8	4.3	6.1	4.2	3.6	4.1	4.9	4.2	5.0	3.9
TBRG4	16.1	17.8	16.6	17.1	18.1	14.2	13.3	17.2	16.2	15.5	18.0	16.4	15.8	15.7	12.1	16.0	11.5	14.7	13.1	13.4	13.6	14.2	15.4	16.7	13.3	12.3	16.3	17.6	11.6	16.3	15.3	18.6	11.7	16.5	13.6	14.5	17.1	14.4	14.8	15.6
TBX2	6.5	7.2	5.0	7.0	10.7	8.2	6.6	5.2	9.9	8.1	7.3	8.9	6.7	8.3	13.6	7.8	7.3	6.0	7.0	9.6	8.9	5.2	6.7	6.1	7.5	5.5	5.5	7.4	8.4	6.5	7.0	7.9	10.1	3.3	4.0	6.2	4.3	5.3	6.7	8.0
TBX20	18.3	9.6	11.4	9.1	5.7	8.4	9.2	12.4	14.8	9.6	19.5	5.4	3.6	9.8	2.2	10.1	7.6	9.9	14.1	15.5	9.3	12.6	11.9	8.6	2.3	6.5	7.0	5.9	1.0	1.3	4.0	5.4	3.3	5.5	7.0	7.4	9.8	5.5	9.3	16.0
TBX3	4.0	5.1	3.9	2.8	6.9	4.7	4.1	4.6	2.4	1.7	3.7	3.8	2.5	1.7	3.5	2.8	1.5	2.5	2.9	3.5	3.0	2.9	3.8	4.2	3.4	2.1	4.2	1.8	2.6	1.2	1.6	1.9	2.1	4.2	4.9	2.3	4.3	1.7	2.2	8.7
TBX5	18.0	10.1	6.6	8.5	10.6	16.5	10.4	19.5	14.7	9.2	14.3	10.8	15.5	11.9	11.6	14.1	6.7	10.9	9.8	16.6	7.4	14.4	8.9	13.8	13.5	11.4	12.9	9.9	13.6	10.3	7.3	7.9	3.8	14.8	12.5	4.9	8.2	4.8	10.4	14.5
TBXAS1	1.3	0.9	1.0	0.7	1.8	1.3	1.0	1.7	1.4	0.4	0.4	0.2	2.6	0.5	2.2	1.7	1.7	1.4	0.8	2.0	1.9	0.6	0.2	0.6	0.2	1.2	1.6	1.0	0.3	2.1	0.1	0.7	7.4	2.0	0.6	2.0	2.8	1.7	3.5	1.6
TCAP	1949.5	2232.1	1718.4	1476.2	1762.8	2362.3	1853.2	1538.6	1948.5	1561.7	2043.0	2000.2	1446.3	1911.0	1181.5	2145.4	1670.9	2023.2	1434.4	1654.3	1199.4	1300.0	1332.5	1410.5	2426.2	1312.7	2029.0	1895.7	1320.7	2028.2	1573.2	1889.8	1082.0	2436.4	1578.3	2255.7	2037.0	1680.0	2004.2	1238.7
TCEA1	10.2	10.9	8.6	9.9	14.3	9.9	9.0	11.3	13.9	10.6	10.1	10.7	14.1	15.7	17.8	11.7	11.1	12.2	10.2	14.6	14.5	12.0	12.5	11.4	8.4	12.9	11.9	11.9	9.6	11.8	10.2	12.0	20.2	15.2	10.2	11.7	15.0	11.3	12.9	14.0
TCEA2	3.8	4.2	4.5	3.6	5.6	5.4	4.4	3.5	6.9	5.1	7.3	6.1	7.3	7.1	11.4	5.2	6.8	7.2	5.0	7.4	7.4	4.8	5.6	4.7	6.7	5.9	6.5	7.2	5.8	8.1	7.9	5.7	7.7	7.0	5.5	4.7	6.7	5.3	7.5	4.9
TCEA3	25.3	21.9	14.9	23.7	26.8	24.8	21.9	25.3	18.8	14.4	20.6	22.3	20.7	16.6	20.2	14.8	15.5	17.1	16.6	20.0	17.7	14.9	15.3	20.8	22.3	17.9	25.4	24.2	16.7	21.1	19.6	13.6	12.8	17.6	26.2	13.4	25.3	8.6	11.4	25.2
TCEAL1	3.6	3.2	2.9	5.7	4.5	4.1	3.4	3.3	4.5	3.0	3.3	2.9	3.4	4.5	6.7	4.0	3.5	2.4	4.1	4.3	3.8	3.5	3.2	2.5	2.7	2.5	2.7	4.0	3.0	3.3	2.3	3.5	4.0	4.3	3.8	3.3	3.2	2.3	3.8	4.0
TCEAL3	6.0	5.8	6.5	9.0	7.4	5.1	8.0	6.7	7.5	5.6	7.0	7.1	5.2	4.4	14.1	6.9	8.4	8.1	6.4	10.1	4.7	4.5	8.8	7.0	6.6	6.8	9.8	7.2	4.4	5.0	6.2	7.2	7.7	8.4	6.2	8.2	4.1	5.3	7.8	6.8
TCEAL4	14.9	14.5	14.4	18.2	16.0	11.6	14.7	13.0	16.3	13.2	16.2	15.6	14.4	13.8	31.9	15.9	15.7	14.6	15.6	21.5	12.3	12.0	18.8	14.5	15.4	16.3	15.5	17.0	13.4	15.7	16.4	17.5	18.4	18.2	15.4	16.0	12.1	11.2	17.1	15.5
TCEAL8	8.5	7.4	9.1	8.8	6.5	9.3	8.2	9.4	10.7	8.9	13.0	9.3	9.1	8.0	12.9	10.2	10.4	11.0	9.6	12.5	11.6	10.7	10.5	11.3	7.1	7.7	9.6	12.1	5.6	7.6	6.8	10.2	8.6	9.9	8.7	8.6	8.2	6.7	8.5	9.9
TCEB1	12.9	11.9	13.2	13.0	11.0	8.7	13.6	11.8	12.1	10.9	10.5	12.1	10.4	12.2	13.4	11.7	10.4	11.5	11.4	10.4	11.2	10.0	12.3	12.2	9.7	7.8	11.9	9.3	7.5	11.7	13.0	14.1	10.7	12.3	12.1	11.9	11.7	9.8	14.3	12.5
TCEB2	56.0	57.7	45.5	56.0	52.2	42.9	61.7	56.2	45.9	40.4	50.4	64.0	40.7	37.5	48.2	45.3	53.3	38.5	62.6	45.2	45.5	37.0	47.5	54.8	48.4	40.3	52.9	65.9	32.7	54.1	64.6	54.4	39.8	46.6	66.7	44.9	47.6	32.3	53.1	46.8
TCEB3	7.6	8.2	6.6	6.9	7.9	6.8	5.4	7.1	8.2	6.6	6.9	6.8	7.5	7.1	6.6	6.5	6.2	7.7	6.4	7.4	7.9	6.5	7.9	6.3	5.8	6.7	7.0	8.0	5.4	6.5	6.3	7.2	9.4	9.0	6.6	6.6	9.6	6.8	7.6	8.0
TCERG1	5.0	6.5	5.7	6.0	7.8	6.0	5.8	6.6	6.9	4.8	5.6	5.3	5.3	6.4	5.9	5.9	6.6	6.5	5.8	7.2	5.3	6.0	6.0	5.6	4.9	6.6	5.9	6.6	5.0	5.2	6.3	6.4	8.7	6.2	5.5	6.9	6.5	6.4	6.3	6.9
TCF12	6.7	6.1	5.5	5.8	7.5	6.7	5.4	7.4	9.0	6.9	7.6	5.9	8.2	8.2	7.3	6.3	6.9	9.6	7.6	11.2	8.0	7.4	6.8	7.7	5.5	8.8	7.1	7.5	4.8	4.1	5.6	6.9	14.3	10.3	6.1	8.2	10.2	6.7	7.7	9.5
TCF21	3.6	2.4	4.4	3.4	4.2	3.3	2.1	4.5	7.1	4.2	4.5	4.8	3.8	4.7	16.9	3.9	2.8	5.6	5.7	21.4	8.2	5.9	4.2	5.0	10.2	9.0	3.5	4.0	7.8	5.1	3.7	5.2	6.3	7.8	3.9	4.5	5.9	4.2	4.1	4.3
TCF25	16.0	15.6	16.2	16.6	19.5	16.1	15.9	16.6	22.1	17.7	17.7	20.9	18.7	16.7	25.4	20.1	20.9	17.8	19.9	20.9	20.9	17.6	18.9	21.1	17.0	16.8	19.6	20.7	14.6	20.5	15.7	21.0	27.3	21.4	17.4	17.4	15.7	18.0	21.5	17.9
TCF3	2.6	2.6	1.6	2.7	2.5	2.8	1.7	2.7	3.8	2.9	2.9	2.5	2.8	3.2	4.9	2.7	2.9	2.6	2.9	4.0	3.3	2.8	2.9	2.3	1.9	4.0	2.9	3.0	2.7	2.5	2.7	3.9	6.7	3.7	2.4	2.4	3.6	3.1	2.8	2.9
TCF4	7.2	5.8	5.1	4.7	6.4	6.1	6.4	6.8	10.2	7.3	7.6	4.3	7.9	5.8	7.2	5.9	7.0	9.2	8.4	15.3	6.5	6.9	5.9	5.7	3.6	10.0	4.4	6.8	5.0	4.6	6.3	7.1	13.1	8.5	5.3	7.2	6.7	4.9	6.3	10.4
TCF7L1	3.4	3.9	2.6	3.2	5.7	3.9	3.3	3.7	5.2	3.1	4.5	3.3	4.8	4.1	11.6	4.4	3.9	3.4	6.4	6.0	6.0	3.6	4.0	3.6	3.9	7.4	4.0	4.1	5.6	5.0	4.7	4.8	8.1	4.0	4.9	3.8	6.0	3.9	4.6	4.9
TCF7L2	2.3	2.6	2.0	2.1	3.1	3.1	2.9	2.5	3.3	2.8	2.5	2.3	2.8	3.2	5.3	2.7	2.3	2.7	3.6	3.6	4.0	2.7	2.5	2.5	2.3	4.1	3.0	3.6	2.4	2.7	2.7	3.1	5.4	2.8	2.4	2.8	3.0	2.7	3.9	3.0
TCHP	2.7	3.4	3.2	3.7	3.3	3.1	2.7	3.5	3.1	3.3	3.6	3.4	4.0	4.0	4.3	3.8	3.4	3.7	2.8	4.9	3.4	2.7	3.2	4.0	2.6	3.3	3.4	3.6	2.9	3.0	3.0	3.3	3.5	3.5	2.7	3.5	3.2	2.9	4.4	3.7
TCIRG1	4.6	5.0	4.5	5.7	10.3	5.6	6.1	6.0	9.9	5.1	6.3	5.6	8.6	7.2	13.3	6.2	6.5	5.7	9.3	9.8	9.2	6.3	3.9	6.9	6.8	8.9	4.7	7.2	8.2	9.0	7.3	8.6	22.3	8.6	5.4	6.4	9.0	5.7	6.8	5.9
TCN2	6.8	7.3	6.3	6.1	10.5	7.4	6.2	9.8	8.6	4.7	4.5	4.4	9.2	4.2	7.4	7.0	5.5	5.4	4.8	5.6	6.1	4.7	3.9	5.5	3.7	4.0	7.1	6.4	2.5	6.8	5.6	4.9	16.5	6.6	3.7	5.1	6.5	4.2	7.9	5.1
TCOF1	3.6	4.1	3.5	4.7	4.2	3.4	3.3	4.1	3.9	3.5	3.6	3.1	4.0	3.8	5.0	4.1	3.6	3.7	3.5	4.3	2.8	3.3	3.5	4.1	3.0	3.5	4.4	4.7	3.2	3.7	3.6	4.4	6.2	5.1	3.5	4.0	4.5	3.9	5.3	3.9
TCP1	33.9	32.0	32.6	36.7	40.7	29.4	27.9	34.9	36.7	34.9	35.0	33.6	39.5	36.9	34.5	34.9	33.0	31.9	33.6	31.2	37.9	33.3	34.4	36.2	23.5	32.6	36.3	34.3	25.6	32.9	30.3	36.7	42.9	42.4	33.6	32.6	36.0	33.4	38.5	38.4
TCP11L1	1.7	1.6	1.1	1.3	2.3	2.0	1.1	1.8	2.5	2.0	1.6	1.5	2.0	2.7	2.4	2.0	1.9	3.0	1.8	4.0	1.7	2.4	1.4	1.6	1.7	1.8	2.8	1.4	1.7	1.9	1.5	1.5	4.4	3.3	1.5	2.5	2.6	2.7	3.2	1.9
TCP11L2	15.8	10.7	7.0	5.9	14.7	8.7	8.1	12.1	10.1	11.5	9.1	7.3	6.3	6.5	2.2	11.9	8.4	10.7	11.2	7.7	6.7	10.2	11.4	9.7	5.5	5.6	11.5	11.2	3.0	2.6	5.5	9.9	5.9	7.5	8.3	7.9	6.3	5.5	11.5	16.3
TCTA	4.7	5.1	6.2	7.0	9.6	4.3	5.3	6.6	7.9	6.9	8.9	7.1	8.1	8.6	9.9	5.9	8.5	7.0	6.3	7.9	6.7	8.1	6.9	5.8	6.6	6.2	6.0	8.3	6.1	5.2	5.5	5.4	5.9	7.5	5.4	5.1	5.3	5.6	6.1	5.6
TCTN1	2.6	2.4	1.2	1.7	5.0	4.1	1.7	2.5	3.5	3.1	3.9	3.6	3.7	5.7	6.4	3.3	5.4	3.4	3.8	6.4	4.6	3.3	3.4	3.8	3.5	3.1	2.7	2.7	2.9	2.4	2.2	2.7	5.2	4.6	3.5	2.5	4.2	3.0	3.0	2.5
TCTN3	4.0	3.7	2.7	3.4	4.2	3.6	2.6	3.2	5.8	5.3	4.8	4.3	6.0	6.1	7.8	4.5	4.4	3.6	4.2	6.3	7.2	4.3	4.9	4.1	2.5	5.8	3.9	3.4	3.7	4.6	3.2	5.1	6.0	5.1	2.8	2.9	4.8	3.1	3.5	3.5
TDG	2.7	3.6	3.2	3.9	4.1	3.4	2.4	3.3	3.8	2.9	3.8	2.9	4.2	3.6	3.2	2.8	3.8	3.4	2.6	3.5	4.3	3.2	4.1	3.4	2.6	3.4	3.9	3.6	2.2	3.3	3.3	3.6	4.9	5.1	3.8	3.3	4.4	4.3	4.2	3.5

TDP2	6.6	7.0	7.7	8.5	7.8	7.0	7.2	7.3	10.1	7.5	9.3	9.2	11.1	10.5	11.4	11.6	9.3	9.0	8.3	9.3	11.7	7.5	9.5	9.9	6.7	7.1	8.9	8.3	6.2	8.3	6.9	9.9	10.2	9.7	8.0	7.6	10.1	7.8	9.4	8.8
TDRD3	5.1	4.9	4.3	4.6	5.3	4.1	4.3	5.4	4.8	3.8	4.8	3.5	3.7	4.7	4.4	4.1	4.1	4.2	3.5	5.1	3.9	3.7	4.6	4.5	2.6	4.9	3.1	3.3	2.5	3.6	3.1	3.9	5.4	4.8	3.9	3.1	4.8	2.4	4.2	5.7
TDRD7	2.4	2.2	1.6	2.2	2.3	2.5	1.9	2.1	3.0	2.5	2.6	2.1	4.1	3.8	3.5	3.1	3.1	2.5	2.4	2.8	2.4	2.6	2.7	2.8	1.8	2.2	2.3	2.4	2.4	2.1	2.0	2.4	3.1	2.4	1.9	2.8	2.3	2.3	2.4	2.5
TEAD1	11.6	11.4	11.5	11.2	8.8	8.4	9.3	11.0	11.5	6.9	9.2	5.6	7.6	11.1	4.5	8.2	8.4	8.3	7.8	8.9	7.8	9.1	8.4	6.6	7.4	6.1	8.2	8.6	4.6	6.2	7.4	7.5	7.3	8.2	8.7	9.3	10.6	7.0	6.7	10.0
TEAD2	13.2	14.3	16.0	23.0	14.4	13.4	16.7	18.2	12.9	13.7	10.1	10.3	12.3	15.9	12.2	12.1	11.7	8.8	13.0	10.5	12.0	10.7	10.2	9.1	10.2	12.4	14.1	13.5	12.4	13.2	11.9	15.6	13.4	11.2	14.6	12.1	15.0	10.4	12.5	12.9
TEAD3	5.7	9.4	8.5	10.9	10.4	6.4	5.6	8.2	8.3	8.9	7.6	7.2	7.7	12.6	12.3	7.4	10.9	8.2	7.7	8.3	8.9	7.1	8.0	7.7	6.9	11.3	9.1	11.8	7.4	7.7	11.7	12.9	9.8	12.8	8.3	9.0	11.2	15.1	10.9	5.6
TEAD4	3.0	2.9	3.2	9.3	3.2	1.5	2.8	1.9	3.5	4.0	1.5	2.2	2.0	2.9	2.7	4.2	4.7	2.4	2.7	2.6	2.4	2.5	2.8	1.5	2.3	2.6	2.6	3.4	2.5	2.0	3.5	4.7	5.2	4.7	2.7	3.6	5.0	5.5	3.3	1.5
TECPR1	2.5	2.3	2.1	2.4	3.4	3.2	2.2	2.6	3.3	3.1	3.0	2.8	2.6	2.7	3.6	2.6	2.4	3.1	3.3	4.1	3.2	2.7	2.4	2.6	1.4	2.5	3.2	2.9	2.2	2.9	3.2	3.1	4.4	3.2	1.8	3.1	3.0	2.8	3.3	2.9
TECPR2	2.5	2.8	2.7	3.2	3.9	2.6	2.3	3.4	3.6	3.1	3.0	3.4	3.0	5.0	3.9	3.2	3.4	3.2	3.1	3.9	3.7	3.1	3.2	3.2	2.4	3.0	4.0	3.3	2.1	2.7	2.9	3.3	3.4	3.9	2.5	3.7	4.3	3.6	3.9	3.5
TECR	20.2	18.4	16.2	18.4	25.3	22.5	19.2	22.0	21.9	14.3	20.7	20.3	25.0	24.3	29.5	22.6	20.7	16.0	20.1	21.9	31.7	20.9	23.7	20.9	20.2	18.4	30.6	23.9	19.4	28.3	25.3	20.3	26.8	20.0	17.9	21.6	20.9	18.6	25.4	20.6
TECRL	144.1	98.4	129.8	246.1	111.7	120.1	103.5	164.7	130.5	103.7	142.7	110.0	144.4	107.9	64.9	155.0	129.9	134.8	103.3	145.1	90.4	115.7	146.7	113.2	69.4	89.3	128.6	136.7	86.8	62.8	73.3	132.1	58.7	126.9	117.4	139.8	158.6	71.4	105.1	143.8
TEF	2.9	5.1	3.0	1.6	4.0	6.8	4.5	3.6	5.7	3.5	8.2	6.7	7.4	4.9	3.7	7.2	2.6	4.5	5.0	2.9	5.2	7.0	5.6	5.7	1.9	7.0	4.4	4.7	6.1	3.1	2.6	3.4	2.4	5.9	9.2	4.3	7.0	3.3	8.9	3.1
TEK	9.9	8.9	7.1	7.9	9.7	6.8	7.9	7.5	8.1	7.5	6.6	5.1	6.3	4.1	7.5	6.6	6.8	8.6	7.6	7.4	5.9	7.5	6.8	6.2	1.6	5.7	6.4	5.5	2.7	4.9	9.9	8.5	12.2	6.0	4.6	5.9	5.2	5.7	7.3	10.5
TELO2	2.8	4.4	3.2	3.4	5.0	4.0	3.0	2.9	3.3	2.9	4.0	4.1	3.1	4.9	4.8	2.8	3.6	3.3	3.6	3.8	4.0	3.4	3.1	3.4	3.9	3.7	4.4	4.6	3.1	5.4	4.4	4.2	6.1	5.3	3.4	4.6	5.1	4.7	4.5	3.5
TENC1	28.7	39.2	29.7	42.2	44.9	46.2	34.0	37.4	34.2	23.2	25.9	25.5	32.8	34.5	63.7	31.5	30.9	27.1	31.4	30.8	42.6	29.8	22.7	23.4	35.2	33.0	52.0	41.1	30.7	45.1	42.9	37.0	93.9	48.3	45.0	45.3	54.8	48.6	55.7	23.8
TERF1	3.4	4.2	3.0	3.8	3.9	3.5	3.0	3.8	4.8	4.4	4.0	5.0	4.4	5.0	4.7	4.9	4.6	5.2	4.4	5.3	4.5	4.4	4.5	4.6	2.7	4.5	5.0	4.2	2.0	3.6	3.3	4.1	5.1	4.1	3.9	3.1	4.4	2.9	4.8	4.3
TERF2	3.4	3.9	2.8	2.8	3.1	3.1	2.9	3.6	4.8	3.4	3.8	4.0	5.0	4.0	5.2	4.4	4.8	3.9	3.3	4.8	3.5	3.3	4.3	4.0	3.6	4.3	4.4	3.8	2.9	4.0	3.1	3.2	5.3	4.9	3.8	3.7	3.8	3.4	4.9	4.1
TERF2IP	16.1	19.7	15.8	17.4	18.7	19.3	16.4	16.5	25.7	26.6	23.2	28.2	29.3	27.3	32.1	24.9	28.1	24.8	23.3	25.6	23.5	21.0	27.1	25.8	22.3	28.5	25.8	25.4	20.6	25.6	21.0	24.5	31.7	28.3	24.0	23.0	27.7	24.4	28.0	22.8
TES	3.4	3.3	4.2	3.6	4.6	3.0	4.3	3.6	5.6	4.1	3.5	2.9	3.6	4.5	5.0	4.9	4.2	3.7	4.9	4.3	5.1	4.2	4.4	3.5	3.4	4.8	3.6	3.7	2.9	4.2	4.1	5.7	9.4	7.6	3.9	4.7	4.8	5.0	4.7	4.3
TESC	20.0	20.2	17.1	22.5	25.3	23.0	21.3	16.7	17.8	10.4	26.8	28.0	6.4	4.2	15.5	9.6	13.1	11.8	14.9	21.1	10.1	8.1	5.7	19.5	17.6	14.9	25.3	19.5	5.1	12.1	19.4	11.3	10.0	13.3	25.8	15.4	21.3	5.0	8.0	21.3
TESK1	5.6	6.1	6.0	7.3	6.9	6.6	5.2	7.5	7.5	6.4	5.5	4.8	6.7	10.0	10.3	6.2	6.1	6.4	6.3	6.7	9.2	6.2	5.0	5.2	7.2	7.7	7.0	8.4	5.7	7.4	6.1	7.9	13.4	10.5	7.1	7.5	8.8	7.8	7.4	5.0
TEX2	12.3	12.8	9.7	11.4	14.4	11.7	9.9	17.2	14.5	11.0	11.6	10.5	11.9	14.2	11.9	14.4	9.7	13.1	10.4	12.6	10.9	11.6	10.8	14.4	8.5	11.4	11.2	11.4	9.7	8.6	8.9	11.0	9.4	13.3	9.3	9.9	13.9	9.3	9.5	12.9
TEX261	7.8	7.6	8.1	6.7	9.2	6.1	7.2	7.7	8.1	8.6	7.8	6.7	7.0	7.7	9.6	8.9	7.2	8.0	7.7	8.0	8.9	7.9	8.3	6.6	4.7	7.3	8.3	7.4	5.3	3.9	5.4	7.6	8.8	8.6	6.7	7.7	8.9	8.5	9.0	7.9
TEX264	8.8	8.1	8.8	9.9	9.5	8.9	7.2	7.8	10.6	8.5	11.1	9.9	8.2	8.6	9.8	9.5	6.7	8.6	9.8	9.4	7.9	8.9	8.5	8.0	7.2	7.7	7.6	7.9	7.3	11.4	8.4	8.6	8.1	8.7	8.2	6.2	8.9	5.5	5.1	8.5
TF	0.3	0.4	0.2	0.1	0.2	0.3	0.2	0.2	0.6	0.6	2.8	0.3	1.0	1.5	0.6	0.2	3.7	0.2	1.4	0.6	44.6	0.9	1.1	0.4	0.2	0.1	0.3	0.5	0.4	2.0	0.3	0.3	2.8	0.2	0.2	0.3	0.6	1.5	0.6	0.3
TFAM	6.5	7.2	6.7	6.7	4.5	4.4	5.1	5.6	6.4	5.8	6.6	5.8	5.7	6.2	5.4	5.9	4.3	7.5	4.5	7.3	5.4	5.7	6.6	6.1	3.7	4.8	6.5	4.5	3.9	4.2	6.3	6.4	6.2	6.8	7.1	6.4	6.1	4.4	6.8	6.8
TFB1M	2.6	3.0	1.8	2.9	1.7	1.9	2.4	2.1	2.4	1.4	2.2	2.3	2.6	3.0	2.9	1.5	2.4	2.5	3.2	2.6	2.9	2.2	2.4	2.5	1.8	2.4	2.4	2.8	1.9	2.9	3.1	1.7	2.0	2.4	2.4	3.0	3.5	1.3	2.2	2.7
TFB2M	4.4	4.7	4.5	4.2	4.7	4.0	3.8	5.0	5.6	4.3	5.1	5.0	4.5	6.2	3.8	3.6	2.5	4.3	4.0	4.0	4.6	5.1	4.3	4.3	4.2	3.1	5.6	4.7	2.7	4.0	3.9	4.2	3.0	4.8	3.6	5.1	3.7	5.2	4.5	5.2
TFCP2	5.0	5.0	4.7	4.5	4.5	4.4	4.6	4.5	5.9	5.6	5.7	6.0	5.7	5.1	6.2	4.8	5.8	6.2	5.3	5.9	6.0	5.7	6.3	5.7	4.2	4.5	6.0	5.9	4.3	4.4	4.8	4.5	6.4	6.1	5.2	5.2	5.7	4.7	5.9	5.6
TFDP1	10.8	7.7	8.8	7.2	12.2	6.9	8.3	11.8	10.9	9.1	10.4	9.1	10.5	11.8	11.9	8.6	8.9	9.2	10.5	12.7	10.8	10.4	8.3	8.9	7.5	8.7	8.8	10.2	9.7	7.5	7.7	10.4	9.6	13.0	8.7	10.1	12.0	9.3	10.1	8.5
TFDP2	4.3	4.1	3.3	3.1	3.8	4.2	3.8	5.1	4.6	3.4	4.3	4.1	3.9	4.5	3.2	4.1	3.7	5.2	3.6	5.6	3.9	4.2	3.5	4.7	4.0	3.2	3.7	4.6	2.9	3.1	2.8	3.3	4.0	5.3	4.1	4.0	4.4	2.7	4.1	5.2
TFE3	6.5	6.5	6.6	7.9	9.1	8.3	5.7	7.6	9.5	7.5	6.9	5.8	8.7	7.9	14.2	7.6	7.9	6.9	6.9	9.8	11.3	6.7	6.2	5.9	7.3	10.8	7.5	7.6	7.1	7.3	6.2	7.4	15.6	10.5	7.2	7.5	8.7	8.7	9.6	5.9
TFEB	5.4	7.1	4.5	5.9	7.2	7.7	4.8	7.4	7.8	5.5	6.2	7.3	7.8	8.3	7.2	6.0	6.6	6.0	5.9	6.6	6.4	7.6	6.9	7.0	8.3	7.7	10.1	9.1	7.4	9.6	8.0	7.5	9.3	8.9	8.0	7.1	8.4	7.1	8.5	6.2
TFG	30.6	30.8	26.6	35.9	32.6	24.8	29.0	32.6	30.8	29.7	29.1	29.4	31.7	38.3	32.1	31.6	32.1	26.9	27.6	31.7	32.6	30.2	35.0	34.4	18.4	30.7	36.3	30.3	24.8	32.3	24.4	35.3	26.9	29.3	20.9	28.5	29.4	32.5	28.5	32.5
TFIP11	5.3	6.9	4.9	6.2	7.4	6.0	5.5	6.3	6.5	5.2	5.4	6.6	5.5	6.5	7.2	6.4	5.6	5.5	5.5	7.7	6.4	5.3	5.2	6.6	5.1	5.3	9.5	7.0	5.0	7.4	5.6	6.1	8.4	7.4	5.4	7.1	6.1	7.3	8.4	6.2
TFPI	4.3	4.2	5.5	4.9	6.9	4.5	5.0	6.2	6.3	5.7	3.4	2.8	7.8	5.3	9.0	3.7	6.4	5.0	4.0	8.4	7.8	3.9	4.5	2.4	3.9	9.5	3.3	5.4	5.4	4.9	3.4	3.7	24.8	9.7	2.8	6.5	7.0	6.1	8.3	4.1
TFPT	3.4	3.8	2.9	4.0	2.7	3.7	3.3	4.5	3.9	3.3	5.0	3.3	3.1	4.4	4.8	4.4	2.5	3.6	5.0	4.5	3.4	3.9	3.6	4.1	4.2	3.2	3.6	4.2	2.8	4.2	3.7	4.3	5.1	3.3	3.8	3.1	2.5	2.9	3.7	3.7
TFRC	10.2	8.9	19.5	5.8	12.8	9.9	10.7	41.9	15.6	15.6	11.5	11.7	14.7	21.3	5.1	14.4	11.7	12.3	15.1	13.3	28.2	4.9	17.3	6.4	3.8	8.9	8.7	6.7	5.3	5.0	14.1	10.6	11.7	17.9	3.2	11.3	20.6	5.4	5.4	8.4
TGDS	1.6	1.4	1.2	2.1	1.0	1.4	1.0	1.4	2.1	1.9	2.1	1.9	3.0	2.4	2.4	2.1	2.2	1.9	1.9	2.9	2.5	1.8	1.4	1.6	1.5	1.9	1.3	3.0	2.4	3.0	1.8	1.6	3.0	2.5	2.9	1.5	2.2	1.4	1.7	2.1
TGFB1	4.2	3.5	3.4	4.3	7.5	5.1	4.1	4.8	7.5	7.6	4.2	4.8	8.0	12.6	11.7	5.8	8.8	5.5	5.3	7.8	6.7	5.5	3.8	4.3	2.6	7.8	3.7	4.2	5.7	5.3	3.4	8.1	16.2	8.4	4.1	5.2	7.8	6.1	4.6	4.5
TGFB1I1	5.7	4.0	5.1	3.7	9.1	5.7	3.9	5.8	7.5	4.5	5.1	4.5	7.3	16.2	20.0	4.3	10.2	3.8	6.5	10.3	7.8	5.3	5.3	4.7	6.7	9.5	4.3	5.9	7.6	6.8	5.1	7.7	15.0	10.5	5.0	6.1	6.2	7.2	6.9	5.0
TGFB2	0.4	0.7	0.5	0.2	1.2	0.5	0.4	0.7	1.1	1.0	1.2	0.6	1.3	2.6	3.6	0.5	3.0	1.6	0.7	2.3	1.0	1.6	1.2	0.9	0.8	2.0	1.5	1.9	1.4	0.8	2.0	6.4	2.9	2.8	0.5	2.0	1.5	5.7	1.0	1.2
TGFB3	3.6	3.2	3.2	4.5	6.4	4.9	4.4	4.0	5.2	4.4	5.0	2.7	8.4	7.2	12.0	3.8	5.8	4.2	3.6	7.4	6.1	4.8	4.9	2.8	4.3	10.7	2.9	5.6	10.1	5.4	4.8	6.1	13.5	7.9	4.1	5.0	8.3	6.2	4.5	3.2
TGFBI	14.4	10.4	12.4	9.5	17.1	14.6	13.9	17.4	30.3	23.5	13.0	13.6	23.7	15.0	32.1	20.5	19.2	20.6	21.0	27.2	29.4	19.7	24.7	13.8	5.4	32.0	8.5	17.0	19.8	16.9	13.3	25.3	13.7	16.1	8.7	12.1	13.7	9.3	19.1	18.1
TGFBR1	2.4	2.0	1.9	1.4	2.2	1.7	1.2	2.2	3.4	2.2	2.3	1.5	2.3	2.8	3.3	1.6	2.6	2.2	2.3	5.3	2.8	2.1	1.9	1.7	1.5	2.9	1.7	1.6	1.3	1.2	1.4	1.9	3.6	3.6	1.4	2.1	2.7	1.7	2.1	2.3
TGFBR2	47.0	36.0	38.3	52.7	49.0	31.5	54.1	44.5	46.1	33.9	29.1	20.6	37.9	43.3	46.2	39.5	36.0	31.2	33.2	45.0	42.9	35.0	32.6	30.4	25.2	35.7	35.5	31.7	23.8	23.9	23.9	32.3	72.1	44.8	26.1	38.9	43.4	32.8	49.6	37.7
TGFBR3	7.1	5.0	4.8	5.4	8.6	4.8	5.7	6.2	5.3	4.1	4.3	2.1	4.2	3.6	5.0	5.9	3.5	4.0	3.6	5.0	9.1	3.9	3.8	3.6	5.5	5.4	5.0	3.2	2.7	3.6	2.3	3.5	17.4	7.1	5.2	6.5	5.4	5.7	8.8	4.2
TGFBRAP1	2.4	2.0	2.4	1.9	3.3	2.3	1.9	2.0	2.7	1.8	2.3	2.1	1.8	2.8	2.1	2.5	2.6	2.5	2.2	2.8	2.6	1.9	2.0	1.8	1.1	2.1	2.0	2.5	1.4	0.5	1.7	2.3	3.5	2.4	1.4	2.3	2.7	2.7	2.4	2.4
TGIF1	2.2	2.4	2.1	3.8	4.5	2.8	3.4	2.4	3.6	2.8	2.6	2.8	4.2	4.5	5.5	3.4	4.0	2.3	2.7	3.4	4.0	2.5	2.9	2.4	6.1	6.0	3.2	4.5	3.3	4.9	2.3	3.9	17.5	5.5	3.3	4.0	7.2	3.3	7.2	3.4
TGM2	132.5	113.8	81.8	220.4	325.5	132.5	99.8	163.0	161.4	90.9	89.4	131.0	116.8	232.8	228.4	137.1	194.3	168.5	105.5	142.1	142.0	110.1	71.0	148.7	102.4	105.1	105.2	88.1	101.4	71.9	82.4	133.8	127.2	239.9	83.6	137.2	140.2	235.6	123.2	69.1
TGOLN2	21.1	23.7	20.9	19.5	25.4	21.3	19.2	23.9	29.1	23.0	22.8	21.4	23.7	28.3	27.7	25.3	25.9	23.6	24.4	28.7	26.4	24.6	25.9	23.1	15.3	22.8	24.1	21.2	16.3	15.6	16.2	22.3	31.3	26.7	20.3	24.4	25.9	25.1	26.7	24.9
TH1L	8.4	8.1	7.4	7.4	9.0	8.2	6.9	7.6	10.9	7.4	9.0	9.6	8.7	10.8	11.9	8.1	8.7	7.4	7.8	8.6	11.3	8.7	8.7	9.7	7.9	9.3	9.7	9.0	7.7	10.1	8.2	8.6	12.5	8.5	8.1	6.1	10.8	7.5	9.3	8.6
THAP1	3.3	3.0	3.0	4.1	4.5	2.4	3.1	3.6	3.7	2.9	3.0	2.6	3.5	4.0	3.1	3.6	3.1	3.5	3.4	3.6	3.2	3.5	3.2	3.8	1.8	2.1	2.7	4.3	2.5	1.9	2.8	3.6	3.1	2.9	2.7	2.8	4.3	2.4	3.0	3.0
THAP11	6.5	7.6	6.2	6.3	6.4	5.8	6.5	6.6	8.1	6.7	7.0	7.9	7.4	8.9	9.0	7.4	5.1	6.7	5.8	7.4	5.8	6.7	5.5	8.0	4.6	4.0	7.0	6.8	5.3	6.2	5.9	5.2	6.0	6.4	6.2	5.5	6.2	5.1	5.9	6.9
THAP3	2.4	3.9	3.3	3.3	2.4	4.4	2.5	3.2	4.6	2.7	4.2	4.2	4.8	4.1	5.8	3.7	3.6	4.2	3.5	4.1	5.5	3.3	3.8	4.0	3.6	3.1	3.9	3.3	3.0	3.4	3.7	3.7	4.0	4.2	3.6	3.9	3.9	2.7	4.0	3.0
THAP4	31.7	27.6	22.8	28.0	23.2	24.7	28.4	29.3	24.1	25.8	23.2	25.4	23.5	25.6	21.1	29.7	22.5	23.1	27.1	20.0	25.6	26.4	30.3	25.1	21.2	18.9	29.1	32.2	16.5	34.9	26.6	32.2	17.8	20.9	31.6	26.2	28.7	23.3	27.7	22.7
THAP5	2.3	2.7	3.0	2.9	2.4	2.3	2.0	2.4	3.2	2.9	2.9	2.6	2.9	2.8	2.0	2.8	2.9	2.5	2.9	3.9	2.1	2.6	2.7	2.6	2.0	2.3	2.9	2.6	1.3	1.0	2.4	3.1	2.9	2.8	2.3	3.0	2.6	1.6	3.1	3.3
THAP6	1.9	1.6	1.9	1.6	2.0	1.6	1.5	1.8	2.5	2.4	2.6	2.6	2.1	2.5	2.0	2.4	2.7	2.8	2.7	3.4	2.1	2.9	3.1	2.0	1.6	2.0	2.0	1.9	1.5	1.6	2.1	2.2	2.4	2.5	1.9	1.9	2.7	1.7	1.8	2.6
THAP7	5.2	5.7	6.3	7.2	6.9	7.9	5.2	4.9	6.3	3.6	2.5	7.0	5.8	7.0	8.8	6.8	4.7	4.7	6.1	6.1	6.8	7.0	6.1	4.8	5.8	5.5	4.7	7.9	7.4	6.6	5.8	6.9	7.4	4.9	7.0	4.3	7.4	5.1	5.1	4.7
THBD	9.9	5.9	4.8	7.2	5.4	4.6	6.5	4.4	10.4	13.2	5.8	3.6	9.5	4.1	16.8	12.8	6.8	5.0	10.1	11.7	8.0	5.3	3.5	2.9	4.4	8.5	6.5	6.2	4.0	10.9	3.8	7.0	38.6	15.6	3.4	6.5	8.5	8.0	16.1	5.2
THBS1	10.7	7.4	10.2	27.3	32.2	9.7	17.9	5.8	41.3	19.4	9.1	7.3	13.3	32.1	20.3	11.9	29.7	16.3	12.7	29.1	17.0	9.3	8.1	15.8	28.7	53.6	6.0	8.3	10.4	19.9	3.3	20.6	142.6	60.7	8.6	21.0	32.5	26.0	37.7	9.1
THBS2	2.2	2.6	3.3	3.6	3.3	1.3	2.3	1.8	8.2	9.1	4.7	3.1	8.0	7.1	16.3	3.3	8.4	4.8	5.4	15.7	8.3	5.7	4.5	2.2	3.3	21.5	1.4	4.9	8.7	2.0	1.9	5.2	7.9	8.3	2.1	4.0	3.9	4.8	2.5	4.0
THBS3	1.7	1.5	1.3	1.3	4.0	2.6	1.5	3.1	6.5	3.0	4.1	2.2	5.7	4.6	11.9	2.5	3.2	3.2	2.8	8.6	7.1	4.1	2.4	2.5	3.6	6.7	2.4	3.0	7.7	2.7	1.6	3.3	7.5	6.1	2.3	2.8	3.9	2.6	3.7	2.8
THBS4	21.7	25.5	12.5	27.7	60.2	31.7	14.0	22.8	73.8	86.3	78.5	37.8	276.5	71.6	68.3	53.0	201.8	78.7	47.6	57.1	65.5	81.3	101.2	21.3	41.5	110.3	27.9	164.4	180.1	131.0	28.3	236.9	155.7	355.2	29.1	174.8	664.9	166.8	76.9	42.6
THG1L	1.9	2.5	1.8	3.0	1.5	2.3	1.6	1.8	1.9	2.0	2.1	2.8	3.4	2.2	3.1	1.9	2.8	2.4	1.5	2.2	1.5	2.5	1.6	3.1	2.2	2.4	3.5	3.0	2.2	2.0	2.2	2.7	3.9	2.5	1.7	3.1	2.4	2.2	2.9	2.9
THNSL2	3.8	2.0	6.5	5.4	9.1	5.9	3.9	0.2	2.6	4.6	4.8	7.6	1.1	8.0	6.8	0.5	4.1	2.9	3.0	7.5	4.8	3.9	0.8	0.8	3.1	4.7	6.1	2.6	0.5	8.9	4.8	0.2	3.3	3.0	2.3	5.6	5.4	5.1	1.0	0.7
THOC1	2.4	3.6	3.8	3.6	4.2	3.5	2.9	3.6	4.8	3.3	4.1	3.9	5.2	5.7	6.1	3.9	3.6	3.4	3.4	5.3	4.5	3.8	4.0	3.1	5.1	3.6	4.7	3.9	3.8	5.1	4.3	3.7	8.5	4.6	5.3	3.9	4.7	2.9	4.4	3.9
THOC2	4.6	3.3	3.3	3.3	4.2	3.3	3.1	4.2	4.8	3.5	3.5	2.5	3.5	4.5	3.2	3.4	3.9	4.0	3.9	5.0	3.5	3.0	3.6	3.6	3.1	3.1	3.1	3.2	2.4	3.0	3.1	3.5	5.5	4.5	3.4	4.0	4.7	3.3	3.6	4.5
THOC3	2.1	1.4	2.9	2.3	3.1	2.6	3.0	2.1	3.3	1.1	2.3	3.0	2.6	2.5	1.8	1.8	2.7	1.9	2.2	3.8	2.8	3.2	2.0	1.6	2.1	1.7	2.0	3.9	2.9	2.0	1.0	2.1	4.4	1.6	2.4	3.1	2.4	2.3	3.3	1.2
THOC4	8.0	8.1	6.9	12.3	8.9	7.4	8.6	8.3	10.0	7.8	7.9	7.5	10.5	10.3	11.7	8.0	9.9	9.8	7.8	8.2	9.9	7.3	9.9	9.8	10.5	11.5	8.3	10.0	8.2	11.6	9.4	11.2	12.8	10.9	10.5	10.1	10.4	10.5	10.6	9.2
THOC5	5.7	8.9	7.0	10.4	9.2	7.8	6.1	5.1	7.5	7.8	6.7	6.7	7.0	7.1	8.4	9.8	8.0	7.6	5.1	6.7	8.0	7.8	7.7	7.4	7.4	7.5	11.7	9.4	6.6	7.4	5.9	7.6	9.3	9.4	6.5	7.6	10.3	8.7	10.7	8.2
THOC6	1.7	2.6	2.8	2.6	3.9	2.6	1.3	2.1	2.9	2.1	1.9	2.5	2.5	3.5	3.1	2.1	2.1	2.3	2.7	2.8	3.6	2.3	2.6	2.1	2.8	2.8	3.4	3.0	2.9	2.5	4.3	3.1	5.8	4.0	2.7	3.3	3.9	2.8	3.3	2.3
THOC7	25.7	26.1	26.9	28.5	27.8	27.6	29.6	24.7	29.7	28.9	27.1	27.5	38.2	33.5	30.6	27.3	28.7	28.4	24.3	25.0	28.3	26.0	29.3	25.7	20.3	24.6	27.7	33.0	19.4	32.4	24.7	26.0	25.1	26.9	24.1	29.0	29.8	21.8	27.3	28.0
THOP1	6.3	6.3	5.8	6.0	7.0	5.6	5.8	6.5	5.8	6.6	6.0	7.4	6.2	8.1	6.4	6.1	4.4	4.8	6.6	5.3	7.7	6.2	6.6	6.4	4.4	4.7	8.5	7.1	4.5	5.9	6.7	8.1	6.0	7.0	6.1	6.5	7.4	5.8	6.9	6.7
THRA	19.5	20.0	13.2	14.8	20.3	18.4	15.1	21.9	20.7	16.2	20.1	18.2	19.6	21.3	24.3	19.9	16.8	18.9	15.6	21.5	18.8	19.0	20.3	18.4	14.1	16.4	23.5	17.3	14.7	16.1	13.0	15.5	13.8	19.5	21.6	13.2	20.5	17.0	24.1	19.6
THRAP3	23.0	24.0	26.4	24.1	21.2	23.8	18.7	23.5	27.3	25.4	22.1	24.5	29.3	27.7	26.3	26.9	26.6	25.6	23.3	27.6	22.4	24.3	26.8	25.9	26.2	24.7	35.9	28.3	18.2	21.2	19.6	24.1	31.1	34.5	31.6	30.1	35.3	22.8	31.9	31.6
THRB	2.2	2.7	1.7	1.6	3.4	2.0	2.2	4.4	3.1	3.3	2.8	3.1	2.5	3.0	3.1	3.4	2.8	3.5	2.8	3.9	2.7	2.8	2.9	3.0	2.5	3.9	2.7	2.5	1.6	2.2	1.9	2.1	3.3	5.4	3.3	2.8	3.2	2.6	3.6	3.2
THRSP	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.5	1.8	0.1	1.7	1.7	0.7	0.1	4.5	0.0	1.3	0.0	23.9	0.3	0.9	0.1	0.0	0.0	0.0	0.1	0.0	1.3	0.0	0.1	0.7	0.0	0.0	0.0	0.0	0.4	0.2	0.2
THSD1	4.0	2.6	1.3	1.9	1.7	2.0	1.8	1.9	2.9	2.0	2.5	2.2	2.7	1.9	4.2	2.9	1.5	2.0	2.5	4.2	2.8	3.2	2.2	2.7	1.5	1.1	1.9	2.1	1.6	1.1	1.7	2.1	2.7	2.2	1.9	2.4	3.0	1.9	2.8	3.1
THSD4	16.9	11.7	12.4	6.3	13.5	13.0	8.7	13.7	18.9	12.8	19.3	15.0	10.7	12.8	10.0	12.2	11.8	19.6	14.3	10.9	10.7	16.9	16.6	17.7	12.8	14.6	23.0	20.4	8.7	8.5	12.4	12.2	8.9	19.0	17.7	11.7	16.4	12.6	14.9	20.4
THTPA	5.7	4.6	4.9	4.9	6.1	5.6	4.6	5.8	7.7	4.9	7.0	5.3	5.9	6.9	6.7	6.4	4.3	5.5	5.6	7.0	7.1	5.9	5.7	5.1	4.0	4.9	7.6	6.8	6.8	6.0	5.3	5.0	4.9	6.5	5.2	5.0	6.4	4.5	6.2	5.0
THUMPD1	1.6	2.1	1.4	1.7	2.3	2.3	1.9	2.5	3.2	2.1	2.0	2.1	2.4	2.4	2.3	2.7	2.1	2.6	2.0	3.1	2.3	2.3	2.7	2.4	2.4	2.1	2.8	2.1	1.8	1.6	2.3	2.3	3.1	3.1	2.2	3.2	3.2	2.2	2.8	2.8
THUMPD3	4.8	5.6	5.0	5.1	5.5	4.4	4.2	5.1	6.1	4.5	6.0	5.3	5.4	6.1	4.6	4.8	5.1	5.4	4.5	6.3	5.1	5.2	6.1	5.4	4.1	3.8	5.7	4.5	3.6	4.3	4.8	5.0	4.4	5.8	4.1	5.4	6.0	3.9	4.6	5.4
THY1	0.1	0.5	0.5	0.9	0.9	0.7	0.2	0.5	5.5	3.3	1.2	2.2	4.6	7.1	10.6	0.4	2.7	1.5	2.8	3.5	3.2	1.7	1.3	0.9	2.5	6.2	0.2	4.5	6.8	2.4	1.6	2.1	9.3	3.8	1.4	1.3	2.1	0.7	1.0	0.4
THYN1	13.8	15.0	14.2	15.4	11.3	13.5	14.2	12.0	16.9	13.6	14.6	18.3	15.7	13.5	19.0	15.7	14.3	16.2	15.0	15.0	16.1	15.5	15.4	14.8	13.8	14.3	18.2	16.9	11.3	18.4	15.7	16.2	15.6	14.0	15.3	12.9	13.5	9.9	13.2	14.4
TIA1	7.2	6.9	5.9	6.4	8.3	6.2	5.2	6.4	7.2	5.7	5.8	6.2	7.7	7.3	6.0	4.8	5.1	6.9	7.0	9.9	7.8	6.5	6.3	6.5	5.4	6.3	6.0	7.0	5.7	5.9	8.0	6.1	10.1	7.4	7.7	7.0	10.6	6.0	7.4	7.2
TIAF1	2.3	1.2	1.1	1.3	1.8	2.0	1.4	0.8	1.5	1.5	2.3	1.7	3.0	1.8	1.7	1.2	1.9	1.8	1.5	1.2	1.7	1.0	1.2	1.5	4.1	2.0	3.5	4.1	3.6	8.2	5.4	2.4	3.5	1.5	2.3	2.8	2.1	1.4	1.6	2.5
TIAL1	6.6	7.4	6.1	7.2	8.9	5.9	5.9	7.4	8.7	7.5	6.8	6.7	8.5	8.2	9.0	7.9	7.2	8.0	7.1	9.8	7.5	6.2	7.3	7.0	6.3	8.4	8.8	8.7	6.3	7.2	7.8	7.8	11.2	9.4	8.0	7.1	9.6	7.3	9.1	7.9
TICAM1	1.7	1.6	1.6	1.9	2.4	2.1	1.6	1.2	2.1	2.0	2.1	2.1	1.4	2.0	4.2	2.3	1.8	1.3	1.9	1.9	1.8	2.0	1.7	2.0	1.5	3.0	2.8	1.6	1.2	2.3	1.8	3.1	4.1	2.3	1.5	1.9	2.4	2.6	2.2	1.4
TIE1	5.9	8.3	3.6	6.3	12.8	9.0	7.0	7.9	8.7	7.1	6.9	8.8	6.8	5.8	11.0	7.0	5.5	8.3	9.0	9.8	9.1	6.5	6.5	7.9	5.7	8.8	7.9	7.8	6.2	10.0	16.0	10.5	17.9	8.8	10.0	9.9	9.9	4.9	13.1	8.8
TIMM10	10.7	16.0	12.4	11.4	15.8	11.2	12.1	13.0	10.7	10.0	16.0	15.7	10.7	13.4	16.6	12.5	8.6	10.7	10.5	14.6	10.0	14.1	14.2	13.4	10.5	14.4	17.9	15.9	8.4	20.6	19.8	19.3	11.1	11.3	12.2	17.5	11.5	17.3	16.0	11.2
TIMM13	7.8	8.6	10.7	9.1	10.8	9.5	8.4	7.9	9.2	7.1	11.0	8.9	8.0	8.5	9.9	8.4	5.7	7.9	8.0	9.6	9.4	6.9	7.9	8.6	8.0	5.5	8.6	9.4	8.2	9.3	8.9	11.8	6.9	8.9	9.6	7.6	9.1	7.7	6.7	8.3
TIMM17A	22.7	23.3	25.7	26.0	24.9	17.9	24.7	25.3	24.0	20.5	28.1	21.7	25.9	30.0	23.4	26.3	16.8	24.3	19.8	22.8	22.7	20.8	23.2	21.1	17.0	18.9	27.4	22.7	19.5	28.8	22.0	27.8	17.6	29.6	20.5	29.1	24.9	26.1	29.3	23.5
TIMM17B	16.5	15.6	18.8	14.9	20.1	16.4	17.3	13.8	13.9	13.7	15.6	19.1	15.1	17.8	11.4	13.6	13.2	12.7	16.7	14.3	15.8	15.6	14.5	14.3	14.0	9.4	22.3	19.2	12.7	24.0	14.3	14.8	12.2	14.4	17.1	13.2	14.7	16.9	13.1	13.5
TIMM22	7.4	8.7	11.3	10.6	9.7	10.7	7.9	11.1	9.0	7.3	7.5	8.1	9.6	12.5	10.4	8.9	8.4	10.3	7.4	10.0	9.5	9.5	8.2	10.0	7.3	8.4	10.0	11.6	9.2	11.0	8.7	10.6	5.7	8.7	5.5	9.8	9.1	7.8	9.2	7.8
TIMM23	27.6	28.3	35.0	35.0	28.9	27.3	33.3	27.4	25.9	25.9	27.9	33.8	27.0	28.3	26.0	30.7	29.9	26.2	30.4	27.8	27.7	29.2	28.5	25.1	23.3	22.3	27.8	28.6	22.8	32.7	26.8	32.3	18.1	26.4	27.1	29.8	29.4	29.4	25.3	26.6
TIMM44	13.5	20.2	18.9	19.7	16.0	16.5	14.6	16.0	15.0	15.3	15.1	13.1	13.9	14.4	12.1	14.3	12.2	14.3	12.1	12.6	13.7	14.6	13.4	12.8	11.5	10.5	13.7	17.4	10.1	16.9	13.7	14.6	9.4	15.3	12.0	14.0	15.7	11.3	13.6	15.9
TIMM50	11.0	11.2	11.0	11.2	11.7	10.3	9.7	11.3	9.6	9.1	11.9	11.7	9.4	11.9	9.7	10.1	8.7	9.0	10.0	9.4	9.6	9.6	8.6	10.2	8.2	7.7	12.5	11.2	8.2	10.8	10.8	10.0	7.0	9.5	9.5	10.4	10.2	10.1	9.2	10.3
TIMM8A	2.4	3.1	5.6	1.6	2.1	3.0	1.8	3.3	2.9	2.5	3.4	2.8	2.8	3.5	2.3	1.9	2.1	3.8	3.3	3.3	3.6	3.2	2.6	3.0	1.5	1.9	3.9	4.8	2.0	2.8	3.6	4.8	2.2	4.8	2.3	3.9	3.2	5.6	2.3	2.7
TIMM8B	37.9	43.1	45.4	24.6	40.7	37.8	40.6	40.6	38.0	42.1	47.8	50.8	33.6	27.9	24.9	33.4	30.7	38.4	49.6	31.4	39.1	33.0	37.2	34.1	29.7	29.0	42.6	41.1	25.5	35.9	47.5	46.3	17.8	35.8	41.2	40.9	27.4	34.2	38.9	33.3
TIMM9	2.8	4.2	4.5	6.2	3.5	3.3	3.6	3.8	4.0	3.6	4.8	2.8	3.8	4.6	5.9	4.5	4.9	3.4	3.8	3.4	4.0	3.3	5.4	4.4	3.5	3.8	5.9	3.7	2.7	4.7	3.6	5.1	5.9	3.6	4.2	4.0	2.9	3.3	4.7	4.8
TIMP1	17.1	24.7	22.1	70.9	83.6	34.6	30.0	43.3	88.0	56.1	42.9	31.6	75.5	85.0	157.2	29.5	70.3	37.2	47.8	79.9	76.9	32.2	27.4	25.6	51.2	72.9	16.3	45.6	83.6	31.5	24.7	66.4	117.9	72.9	16.6	52.3	63.5	55.8	33.1	22.2
TIMP2	29.7	27.2	22.3	24.0	47.3	33.3	25.1	30.8	62.3	38.3	45.8	22.5	60.6	48.5	188.3	34.7	49.7	35.8	42.3	103.8	65.2	51.4	42.3	25.7	31.1	84.2	36.9	42.7	51.4	45.2	24.0	33.4	127.1	74.9	31.1	52.3	45.5	41.7	43.7	46.4
TIMP3	73.5	91.1	68.6	51.7	128.1	118.8	85.8	109.9	75.2	35.8	55.1	35.2	71.5	80.0	179.2	98.9	45.2	66.3	62.4	118.7	95.1	64.8	41.8	45.5	82.4	89.2	116.8	57.7	63.0	92.7	61.9	65.0	226.7	135.4	96.6	123.3	107.7	94.4	120.4	61.9
TIMP4	4.8	9.4	8.2	8.4	18.6	7.2	10.2	16.6	5.1	3.1	4.2	2.9	5.7	9.4	7.8	6.7	10.4	4.4	5.0	5.0	34.9	4.5	5.9	4.1	3.0	4.7	11.1	4.5	2.6	8.0	5.9	9.4	23.5	9.4	4.5	12.3	17.2	24.8	14.8	4.7
TINAGL1	55.4	59.4	60.3	48.8	71.1	62.5	53.3	65.3	42.4	51.2	40.3	53.3	43.0	50.0	56.1	46.7	46.4	42.5	50.0	39.0	66.2	55.3	51.3	45.3	28.4	39.0	56.2	45.6	39.2	43.2	52.7	55.7	53.4	52.4	54.2	52.8	64.7	70.2	44.4	52.6
TINF2	8.0	8.7	9.2	11.7	12.2	10.1	8.7	8.5	11.6	9.6	9.2	8.5	11.8	11.5	13.4	10.3	10.6	8.9	7.4	12.3	10.2	9.2	8.6	8.3	8.4	8.7	10.5	10.1	8.4	10.6	7.5	11.0	17.4	10.9	10.6	9.2	11.4	10.3	11.5	9.0
TIPARP	6.8	4.6	6.5	5.7	6.8	7.1	6.7	5.1	6.6	8.4	5.6	5.3	6.1	7.4	3.8	8.5	5.9	7.7	5.9	6.4	3.6	6.9	4.7	4.5	21.0	32.9	18.0	13.3	7.5	29.6	8.8	17.5	35.1	22.0	17.4	10.7	24.6	7.8	16.5	20.5
TIPRL	6.2	8.9	9.4	9.6	6.6	6.2	7.0	9.3	11.0	10.1	10.8	9.0	8.4	9.6	7.0	7.9	10.3	9.2	8.1	10.8	8.1	9.3	11.1	8.8	5.6	8.7	9.9	11.9	5.2	8.1	6.7	8.6	7.6	9.0	7.7	9.4	8.6	9.1	10.7	10.2
TJAP1	4.3	5.5	4.8	4.6	7.5	5.6	4.0	5.1	6.2	5.8	6.4	5.9	5.5	7.0	8.9	5.2	5.4	5.0	5.9	6.2	6.5	5.6	6.3	6.3	5.9	5.8	7.1	7.8	5.7	6.5	5.9	6.0	8.4	6.4	4.8	5.7	6.7	5.9	6.7	5.6
TJP1	18.8	18.7	15.6	16.0	17.4	16.3	14.2	18.7	22.7	17.2	19.2	16.0	17.3	23.5	16.0	16.1	27.0	20.7	19.0	21.6	19.5	22.7	23.0	21.3	13.5	20.2	20.8	19.2	10.9	11.2	20.1	19.9	24.9	23.3	16.3	23.5	25.4	23.0	21.3	23.3
TJP2	25.5	29.1	15.4	14.1	22.0	28.6	12.2	26.1	21.2	19.9	17.8	14.4	20.7	16.6	16.6	22.1	17.3	18.3	16.3	22.3	18.1	16.4	15.8	23.1	14.6	22.1	20.6	18.9	14.2	13.0	14.2	16.4	23.6	21.4	23.2	15.1	20.0	11.2	21.9	24.1
TK2	1.9	2.2	1.9	2.1	2.6	2.2	2.0	2.4	3.1	2.5	3.1	2.7	3.7	3.9	5.1	2.6	3.0	3.1	2.4	4.3	4.3	2.4	2.7	2.7	2.5	3.0	3.0	2.9	3.1	3.0	2.7	2.8	4.1	3.3	2.0	2.5	3.6	2.6	3.1	2.6
TKT	6.5	6.4	5.5	12.9	11.7	8.5	7.2	9.8	10.5	6.1	6.5	5.5	11.5	14.0	19.4	7.4	11.3	6.5	7.1	10.7	29.2	8.1	5.7	7.0	8.0	9.2	7.4	7.7	10.0	7.9	8.5	10.1	23.5	9.1	5.9	7.6	9.0	8.4	9.6	7.9
TKTL1	2.3	2.9	1.6	1.3	2.8	2.2	1.6	3.3	1.0	1.4	1.9	1.4	2.1	1.3	1.0	1.3	0.6	1.8	1.5	1.9	1.4	1.9	1.4	2.4	2.4	0.9	2.5	1.8	0.9	2.4	1.6	1.4	0.9	1.3	3.9	1.6	1.7	0.9	1.7	3.2
TLE1	2.1	2.2	2.1	1.8	2.8	3.1	3.4	2.4	3.0	1.9	2.2	2.0	2.0	2.7	4.5	3.0	1.9	1.6	2.3	2.8	4.4	2.8	2.3	2.7	3.2	4.6	3.5	3.5	2.8	4.3	3.6	3.6	8.9	3.3	3.4	4.7	4.1	3.0	5.9	2.9
TLE2	11.1	11.7	9.9	13.5	15.5	12.8	12.1	16.6	10.0	11.6	9.9	10.8	9.1	13.8	15.3	11.0	12.8	11.7	12.5	14.9	13.1	11.1	9.6	11.6	9.3	12.4	11.2	12.0	9.6	10.7	11.1	12.0	10.4	15.5	10.8	8.8	13.4	9.2	9.1	9.8
TLE4	1.9	1.6	1.5	1.7	2.0	1.5	1.5	1.5	3.0	2.1	1.5	1.8	3.4	2.5	3.1	2.3	2.1	1.8	2.0	3.5	2.8	2.5	2.0	1.8	1.6	2.6	2.3	1.8	2.0	2.4	2.0	2.4	5.4	3.5	2.0	2.8	2.7	2.1	4.2	2.2
TLK1	2.7	3.6	4.0	3.2	3.2	3.4	3.1	3.0	4.4	3.7	3.5	3.4	4.0	4.1	4.1	3.7	4.1	3.6	3.5	4.2	3.6	3.6	3.9	3.1	3.0	3.8	3.9	3.6	2.6	2.9	2.9	3.8	5.8	3.8	3.1	3.7	4.1	3.6	3.5	3.7
TLK2	4.6	4.1	4.1	4.5	5.0	3.9	3.5	4.9	5.3	3.6	4.7	3.7	5.5	5.8	4.1	4.5	4.3	4.7	3.6	4.7	3.8	4.2	4.5	3.4	3.3	4.4	4.8	4.9	3.0	4.4	3.8	4.1	6.0	4.8	3.6	5.1	5.9	4.8	5.1	5.1
TLL2	1.0	0.9	0.7	0.6	0.8	0.9	0.7	1.1	2.5	2.3	2.5	1.0	2.1	0.3	0.9	1.2	0.8	1.9	3.1	1.0	1.4	2.2	2.5	1.2	1.0	2.1	1.8	3.4	1.4	1.2	1.4	1.7	0.3	1.3	2.1	1.1	1.7	0.6	0.8	2.6
TLN1	36.1	36.7	35.1	37.6	41.0	30.5	27.9	45.1	41.5	32.8	32.2	30.9	33.6	41.5	61.4	39.6	39.9	34.5	32.5	43.9	37.8	35.4	34.7	37.9	22.9	41.7	38.1	37.0	28.4	27.2	31.4	40.5	48.9	51.4	27.6	39.5	41.6	42.9	44.2	35.1
TLN2	9.0	7.0	4.8	4.6	8.1	6.3	5.1	7.2	6.0	5.2	7.5	4.6	5.3	5.1	4.5	5.2	4.8	6.7	6.2	5.5	7.9	5.3	7.2	5.4	3.3	5.7	8.0	5.4	2.9	4.1	4.8	4.0	4.6	6.1	6.4	4.3	7.8	4.5	6.4	6.7
TLR2	0.8	0.8	1.2	1.2	1.6	1.0	1.7	1.2	0.9	0.4	0.6	0.2	0.9	0.6	0.7	0.7	1.3	0.5	0.5	0.9	0.8	0.2	0.3	0.7	0.2	1.4	0.8	1.1	0.4	1.9	0.4	1.3	4.1	2.8	0.8	1.6	2.8	2.0	3.4	0.6
TLR4	1.6	1.3	1.6	0.9	2.6	1.1	1.7	2.5	2.7	1.6	1.2	0.7	1.5	0.9	1.6	1.1	1.5	1.6	1.7	3.1	1.4	1.6	1.2	0.8	0.6	1.6	1.2	0.8	0.5	0.6	0.7	1.2	3.4	1.9	0.6	1.6	1.0	1.1	2.0	2.2
TM2D1	9.8	9.5	8.2	9.1	9.9	8.3	7.1	7.4	7.9	10.0	10.4	11.5	10.4	11.0	12.1	11.0	9.8	10.1	9.3	12.5	10.8	10.0	11.2	8.5	7.1	8.9	10.0	9.1	6.8	8.7	7.8	10.3	8.9	9.3	10.4	10.7	10.4	6.4	9.0	8.9
TM2D2	3.1	3.0	3.1	3.8	3.3	2.8	2.6	3.5	4.1	3.5	3.1	3.1	5.2	4.6	4.6	4.5	3.0	3.5	3.4	4.2	4.6	3.5	3.6	3.8	2.4	2.4	3.4	3.4	2.9	3.6	2.9	3.9	3.9	4.4	3.1	3.4	4.3	3.1	3.9	3.7
TM2D3	10.6	12.3	11.2	14.4	14.8	13.4	10.7	11.8	14.0	13.9	14.1	16.1	16.2	16.9	13.8	14.4	12.7	13.7	13.8	16.5	12.7	12.0	13.0	11.8	14.2	14.0	13.8	9.9	12.7	16.0	15.2	16.6	14.6	15.2	14.8	10.3	14.0	10.9	12.8	10.5
TM4SF1	48.9	36.8	32.2	32.6	51.4	38.5	38.0	34.2	41.4	34.9	40.1	30.2	42.7	37.2	54.4	18.0	32.3	38.3	33.4	41.5	43.2	42.6	38.7	33.6	17.8	44.9	15.6	25.0	31.3	52.0	40.7	38.3	33.0	33.1	13.2	17.5	16.2	28.7	36.1	43.0
TM6SF1	1.2	1.4	1.6	1.9	3.2	2.2	1.6	2.6	2.8	1.3	1.6	1.5	2.6	1.5	2.5	2.6	1.4	1.9	2.1	3.7	2.2	1.5	1.4	1.8	1.5	2.1	2.2	1.6	1.5	2.3	1.4	2.6	5.4	2.7	1.6	2.2	2.8	1.6	3.2	2.0
TM7SF2	17.2	17.3	16.1	28.0	10.8	27.9	13.5	6.8	15.7	21.2	32.0	32.5	21.6	17.1	14.8	24.8	38.7	20.2	16.6	19.2	20.1	24.7	28.1	25.9	22.0	9.2	27.9	21.6	8.1	17.0	12.8	21.9	17.8	12.4	19.7	11.4	8.9	13.1	16.7	17.9
TM7SF3	3.6	3.6	2.3	3.3	3.6	2.7	2.2	3.7	5.0	4.1	3.7	3.6	4.9	5.4	6.0	3.3	3.8	4.5	3.4	6.5	5.0	3.8	3.8	3.4	2.9	5.0	3.6	3.4	3.9	3.0	2.9	3.2	5.3	4.8	3.2	3.4	4.1	2.7	3.5	3.8
TM9SF1	6.2	5.1	5.2	7.4	7.8	5.6	6.1	6.9	8.9	6.4	5.8	5.4	7.9	7.6	10.3	6.5	5.5	6.1	6.7	10.1	7.3	6.6	7.2	5.9	5.8	7.7	5.4	5.9	6.1	6.0	4.8	6.3	9.7	7.0	6.3	5.9	7.1	6.9	8.4	6.0
TM9SF2	24.6	23.2	20.6	25.1	25.3	21.7	21.6	26.1	29.5	25.6	23.4	21.9	28.5	28.3	28.8	27.0	24.5	22.7	25.1	30.0	27.1	22.9	23.7	23.5	13.6	19.6	24.1	23.0	15.3	16.0	20.1	25.6	30.9	28.7	20.4	24.6	29.3	22.0	28.4	28.8
TM9SF3	11.5	11.0	10.4	11.3	12.4	9.4	9.7	11.0	13.9	11.4	11.5	8.8	12.6	13.8	12.6	11.0	11.8	12.4	10.9	16.2	12.5	11.1	11.3	8.8	9.5	10.8	10.6	10.3	8.4	8.9	9.4	12.1	16.9	14.0	12.5	12.4	15.1	11.4	12.5	12.6
TM9SF4	7.7	8.7	7.2	7.1	9.0	7.3	6.2	8.5	10.1	9.3	8.4	7.9	10.3	11.5	11.6	9.4	8.5	9.3	9.5	10.1	9.1	9.0	8.6	9.7	6.8	9.2	9.8	10.3	7.5	8.5	7.4	8.5	10.7	10.8	8.2	8.0	11.1	7.9	10.0	8.9
TMBIM1	25.3	31.5	27.2	36.1	39.2	26.0	22.6	23.0	35.9	33.1	29.3	29.7	36.2	46.8	57.7	31.9	32.5	25.3	32.4	37.6	53.4	31.4	27.4	30.0	22.6	33.9	31.1	29.8	24.7	26.3	31.0	29.8	46.6	38.7	26.3	31.8	38.0	33.9	33.8	26.1
TMBIM4	8.7	9.3	8.0	9.7	12.7	9.7	7.2	9.2	11.7	9.6	11.2	9.6	12.6	11.2	14.4	9.5	13.4	10.9	9.5	11.7	10.6	9.2	9.7	8.4	7.2	9.8	9.1	9.5	8.7	9.4	11.2	10.8	15.8	13.3	10.5	9.9	10.6	11.9	11.0	10.0
TMBIM6	63.3	55.1	50.6	51.9	68.2	54.1	50.5	67.0	71.9	53.9	54.8	49.9	65.1	64.0	84.5	58.5	55.8	55.9	58.5	65.6	80.6	58.7	56.8	54.3	39.2	53.3	56.1	55.8	42.8	60.5	49.4	58.4	97.1	65.0	61.1	55.3	65.9	53.7	67.7	61.8
TMC6	5.9	11.4	8.7	6.3	5.2	2.3	5.9	4.3	4.5	3.9	8.5	3.5	9.9	9.9	6.4	9.6	7.6	5.8	7.5	4.0	6.1	7.1	9.6	2.7	1.7	3.5	10.1	13.5	4.0	10.6	13.1	12.3	11.5	7.5	6.4	5.9	11.5	10.0	12.2	5.2
TMCC1	4.0	3.2	3.3	3.9	3.9	3.6	3.3	3.3	4.3	3.3	4.8	4.3	4.5	4.2	3.3	4.5	4.2	4.8	4.1	5.3	4.5	4.5	4.4	4.4	4.1	3.4	4.6	5.0	2.9	3.9	4.3	4.1	4.6	4.5	4.4	4.8	5.5	3.7	4.6	4.7
TMCO1	4.5	4.6	4.6	5.6	4.0	4.4	4.1	5.1	6.4	5.4	5.4	5.7	6.0	5.8	6.6	5.0	4.8	4.9	5.2	5.9	6.3	4.6	6.0	5.2	4.0	4.9	5.2	5.8	4.1	5.6	4.2	5.6	6.6	5.8	6.0	4.9	6.1	5.6	5.9	5.7
TMCO3	5.8	5.4	5.0	4.6	7.7	4.8	5.9	5.8	8.0	7.8	7.3	6.2	8.3	15.4	11.0	8.2	9.4	9.0	7.6	8.0	9.0	10.0	8.9	6.5	4.0	9.3	7.7	9.1	7.6	6.9	7.5	8.6	10.4	11.8	5.1	8.9	10.8	14.1	13.7	6.2
TMED1	10.5	8.2	8.2	8.8	11.9	10.4	8.8	9.4	10.1	8.5	10.9	10.9	11.2	13.6	7.7	9.8	8.4	7.9	8.9	7.3	9.8	9.9	7.9	7.7	9.2	6.0	10.6	9.4	7.4	11.6	8.6	9.2	7.8	10.4	8.3	9.2	11.6	8.3	7.2	7.9
TMED10	25.9	24.1	24.2	33.1	31.8	22.6	25.1	30.0	30.3	25.8	29.1	25.6	23.3	30.9	26.8	26.7	27.9	29.0	26.8	33.5	29.5	28.4	29.2	26.7	19.5	23.3	27.0	24.4	18.3	21.8	18.0	26.5	28.1	30.8	24.5	24.1	27.3	27.0	26.6	27.1
TMED2	31.6	26.9	28.1	32.1	27.5	23.9	25.5	29.5	32.8	31.7	30.1	28.9	32.3	34.4	40.2	28.4	28.8	29.3	27.9	36.7	34.2	32.9	32.5	27.6	19.4	35.0	28.3	27.7	21.6	23.3	21.3	34.1	37.1	33.7	28.6	26.4	30.7	28.6	31.4	30.0
TMED3	5.4	5.9	5.3	9.2	6.9	8.2	7.5	9.2	12.3	8.7	7.8	9.1	10.8	16.5	19.2	11.5	10.6	6.9	8.2	13.3	10.5	10.0	8.2	7.8	9.0	10.4	7.0	10.2	11.2	10.5	5.3	11.8	10.3	9.3	4.9	10.1	7.8	9.9	8.1	7.8
TMED4	16.7	17.7	19.4	17.1	23.6	19.1	16.5	17.8	24.4	23.8	26.5	26.1	22.0	26.7	28.5	18.1	23.5	23.2	27.4	27.8	26.1	21.8	24.0	24.6	17.2	20.3	25.5	23.9	14.8	18.0	16.1	17.4	21.9	27.2	20.0	20.7	24.4	21.2	19.7	19.7
TMED5	5.1	6.2	8.0	13.6	5.8	4.7	6.6	6.9	7.1	8.7	6.6	7.1	6.5	7.9	4.9	5.7	8.3	7.0	6.3	7.3	9.8	7.9	9.6	6.3	3.0	4.8	7.0	5.4	3.1	3.7	3.8	6.0	11.0	8.9	4.9	9.5	9.6	9.1	8.1	7.7
TMED7	9.8	12.2	11.6	12.2	12.1	10.1	9.8	11.3	12.9	11.9	11.7	12.8	10.5	15.6	9.8	11.8	12.1	13.9	11.5	15.7	13.5	12.2	13.7	12.8	6.9	11.6	11.9	10.5	7.5	7.4	9.3	12.9	11.6	14.4	10.3	11.0	14.8	12.2	12.0	12.2
TMED9	21.4	19.4	20.1	23.7	24.0	18.9	20.3	21.1	30.0	28.9	29.6	31.4	25.3	37.9	31.9	22.5	25.2	24.0	27.6	28.8	28.1	25.0	22.3	25.7	21.2	21.2	23.2	24.4	22.2	29.9	20.0	29.5	26.9	29.7	23.9	22.9	23.0	26.4	22.7	19.1
TMEM100	2.9	2.8	2.7	2.5	2.9	3.0	3.0	2.9	3.1	2.0	2.0	1.9	2.7	5.2	4.2	4.5	3.5	3.2	3.2	3.6	3.2	2.2	1.1	1.2	5.8	3.5	5.8	3.9	3.5	3.2	4.3	4.0	5.0	4.5	4.6	5.3	7.1	3.9	2.7	1.7
TMEM101	5.9	5.1	5.0	5.5	5.5	7.4	4.4	4.1	6.7	4.1	5.7	5.8	7.5	6.0	6.4	5.5	5.0	6.0	5.1	6.1	7.5	5.3	5.7	6.1	5.5	5.5	5.9	5.3	3.6	7.2	5.7	5.2	6.0	5.3	5.1	4.0	6.3	4.4	4.6	5.5
TMEM106B	4.6	4.2	4.0	4.2	4.2	3.5	3.2	4.6	4.9	3.2	4.2	3.9	3.9	3.9	3.0	4.2	3.6	5.0	4.1	5.8	4.8	4.0	4.6	4.0	2.4	3.8	2.8	4.1	2.2	2.3	3.4	3.8	3.1	4.1	3.8	3.7	5.4	2.8	3.4	4.6
TMEM106C	9.2	8.8	9.5	9.2	10.1	8.6	8.3	8.8	9.2	10.3	9.6	10.7	10.3	14.7	13.0	7.4	12.3	9.3	8.6	14.3	11.3	9.9	11.2	9.7	7.1	10.2	7.7	12.7	7.0	12.8	6.4	8.9	10.5	8.8	10.8	6.6	9.9	7.6	8.6	8.8
TMEM109	24.9	25.0	20.6	25.5	29.3	25.3	22.1	28.5	32.4	23.6	23.8	25.0	26.3	27.9	47.1	29.9	26.8	24.6	28.2	33.4	30.3	25.7	24.6	26.8	19.9	25.7	26.4	25.6	19.4	24.6	22.4	27.2	32.3	31.3	23.7	23.0	28.7	23.1	27.5	25.8
TMEM11	8.2	8.8	9.3	10.9	8.6	10.1	7.3	9.6	8.6	8.5	6.7	7.7	8.5	11.0	7.8	8.0	9.3	6.3	8.7	6.8	9.2	6.7	8.2	7.2	5.3	8.2	11.1	9.1	5.8	7.9	8.1	8.4	7.1	8.5	9.1	8.6	9.2	8.6	7.5	7.6
TMEM110	1.8	1.7	1.6	1.2	1.9	1.7	1.4	1.6	2.4	1.8	2.0	1.8	2.4	2.1	3.5	1.6	2.0	2.2	1.5	4.0	2.2	2.3	1.9	1.5	1.2	1.8	1.8	2.1	1.9	1.3	1.5	1.5	3.2	2.8	1.8	2.1	2.1	1.9	2.3	1.6
TMEM111	30.1	29.5	35.2	40.0	37.7	32.0	28.0	22.0	29.5	28.8	31.8	31.4	38.8	37.8	26.0	31.0	25.7	32.9	27.8	25.3	36.6	30.9	28.3	26.4	23.1	20.2	37.7	27.4	20.5	31.7	29.9	31.1	29.0	26.2	35.8	24.2	31.1	29.1	36.0	30.8
TMEM115	6.7	7.6	7.0	7.6	8.5	6.4	6.3	8.0	9.7	7.7	8.7	8.3	9.4	10.6	10.4	8.7	8.5	6.6	8.1	8.4	8.7	7.0	7.2	7.2	7.0	6.8	9.6	8.8	6.1	8.2	6.4	8.3	11.8	8.9	8.9	6.7	8.9	6.9	8.7	7.6
TMEM116	10.7	8.7	8.6	7.2	5.0	7.0	7.8	7.6	7.4	7.2	8.1	6.7	7.0	8.9	7.0	7.3	8.4	8.3	8.0	5.8	8.9	5.8	8.3	8.5	5.4	4.0	7.5	8.6	4.5	7.2	8.5	9.0	6.4	7.0	7.0	7.0	8.9	4.7	8.7	9.7
TMEM119	0.1	0.1	0.1	0.0	0.3	0.1	0.0	0.3	0.6	0.3	0.6	0.2	2.4	2.0	3.1	0.3	0.7	0.4	0.5	2.6	1.0	0.5	0.3	0.4	0.5	1.5	0.0	0.8	1.2	0.4	0.5	0.7	6.8	1.6	0.4	0.3	1.1	0.6	0.2	0.2
TMEM120A	38.4	45.3	35.9	37.1	37.7	52.7	29.7	37.1	30.2	34.5	46.9	42.4	37.9	40.6	24.9	48.7	27.6	38.8	35.2	31.0	34.6	32.8	28.0	35.4	24.6	26.2	37.9	37.0	27.1	41.7	29.5	31.9	21.3	29.0	21.6	29.6	38.6	28.3	28.1	29.9
TMEM123	15.1	15.2	13.7	13.7	16.7	12.8	12.9	18.3	16.2	12.5	14.6	12.3	16.8	12.9	15.7	17.5	16.3	16.2	14.9	17.7	14.7	13.4	17.6	15.3	8.9	15.4	18.3	14.3	8.1	10.9	12.1	16.2	24.5	15.7	14.3	15.8	14.4	11.5	20.6	19.2
TMEM126A	15.9	16.1	18.2	17.2	16.8	20.5	16.1	17.0	13.9	15.5	17.1	17.8	16.6	18.4	11.8	13.9	12.1	16.5	15.0	16.0	15.8	14.0	14.0	15.1	11.0	11.4	14.0	17.0	9.0	20.0	15.3	13.4	10.1	14.6	15.3	14.5	17.5	11.8	13.8	15.7
TMEM126B	15.6	13.1	10.6	15.8	12.6	11.9	13.1	10.9	13.9	12.9	13.7	14.9	18.7	16.5	15.7	13.1	11.5	13.0	11.5	16.3	13.4	14.1	14.6	13.3	8.0	12.3	13.4	14.7	11.0	13.7	11.2	14.8	12.4	14.0	15.3	12.0	16.2	11.7	12.7	17.1
TMEM127	16.6	17.4	17.9	19.1	19.7	15.0	16.8	16.3	22.3	21.5	21.6	25.2	19.0	31.1	19.8	25.0	23.9	19.1	22.2	19.8	19.1	20.8	20.7	21.7	13.8	16.2	20.8	16.4	13.4	15.2	13.2	17.0	15.8	18.9	16.6	15.9	19.4	16.4	17.3	17.3
TMEM129	8.2	10.0	7.5	9.6	12.6	7.5	7.8	9.8	9.9	9.2	12.5	10.7	10.3	12.7	10.2	9.9	9.0	7.5	9.4	11.4	9.1	10.3	9.1	9.9	7.9	8.3	10.7	11.9	9.5	9.3	8.4	9.6	8.2	10.6	10.9	9.9	11.4	9.6	9.5	9.6
TMEM131	7.6	7.8	6.1	6.0	8.3	7.4	5.6	8.4	8.5	7.5	8.2	5.7	7.4	8.0	6.2	7.8	7.1	8.1	7.4	8.2	7.5	7.1	7.8	7.2	5.3	7.8	7.5	7.8	4.3	5.6	6.0	7.0	9.8	8.4	7.8	6.2	9.5	6.3	8.0	8.4
TMEM132C	0.5	1.3	0.1	0.2	1.1	0.6	0.2	0.7	0.5	0.1	0.4	0.4	0.3	0.3	0.8	0.2	0.5	1.2	0.2	1.8	3.5	0.5	0.4	0.4	0.5	0.3	1.7	0.2	0.1	0.3	0.1	0.1	3.4	1.6	0.3	1.7	1.9	1.6	3.0	0.3
TMEM134	9.8	8.7	10.5	8.9	9.5	7.7	10.6	8.0	8.1	7.2	10.7	12.0	6.8	11.3	7.0	8.3	8.1	8.4	10.5	8.0	5.5	7.9	8.6	7.6	8.6	7.5	11.5	12.6	6.3	8.5	10.1	10.0	5.8	8.9	9.7	8.9	10.0	8.0	7.5	8.4
TMEM136	2.8	1.8	1.7	1.1	2.3	1.9	1.5	2.0	2.7	4.8	3.2	3.2	3.1	3.1	2.2	3.3	3.6	3.0	3.6	3.0	2.8	2.8	3.0	3.0	2.4	1.9	2.5	2.2	1.5	2.0	2.0	2.8	3.3	3.4	3.3	2.7	3.6	2.2	2.9	2.8
TMEM138	2.1	2.6	2.9	2.5	3.1	3.1	2.4	2.7	3.4	2.9	3.0	3.0	2.9	3.2	5.0	2.5	2.6	4.1	3.5	4.0	4.4	3.3	2.4	3.2	3.1	2.3	3.0	4.0	3.2	3.1	3.3	2.7	4.7	3.3	3.1	2.7	3.3	3.3	2.8	2.6
TMEM140	6.1	6.9	5.5	9.2	17.1	9.2	8.7	6.9	14.0	11.9	13.6	13.5	16.1	12.1	13.3	12.1	15.5	13.8	10.2	13.6	13.6	11.7	12.2	11.5	15.5	11.3	21.4	16.1	8.6	8.6	8.9	11.4	18.0	12.6	12.0	14.6	9.8	11.6	23.6	10.5

TMEM141	14.2	14.7	13.3	13.9	19.1	15.6	13.0	14.2	14.6	13.5	10.9	12.8	15.9	14.6	12.5	14.1	11.3	13.8	15.7	11.5
TMEM143	17.5	16.0	15.4	7.1	16.4	20.9	15.4	15.5	17.1	13.7	17.8	15.3	14.8	14.3	13.1	18.0	9.9	19.9	12.9	15.7
TMEM147	19.4	18.4	25.6	23.9	27.8	17.5	22.9	26.9	21.4	21.1	19.6	21.8	22.9	24.8	24.9	21.1	16.5	20.0	21.4	20.6
TMEM14A	2.6	2.9	2.0	3.0	3.0	2.3	3.5	3.0	3.2	2.2	4.1	2.3	4.6	5.8	7.1	3.4	2.0	3.7	3.8	6.9
TMEM14B	23.2	26.9	26.0	29.6	33.0	27.1	30.7	29.1	26.2	21.7	30.8	32.5	25.2	28.7	23.2	28.1	24.9	30.1	28.9	24.6
TMEM14C	31.0	29.6	26.1	25.1	40.3	33.9	31.6	27.1	32.1	28.0	39.2	39.1	40.4	45.8	37.6	32.0	28.2	31.0	32.4	33.2
TMEM150A	2.1	2.5	3.7	3.3	3.8	3.1	2.7	2.6	3.8	3.0	3.3	2.9	4.9	4.6	5.3	3.1	3.3	2.5	3.5	5.0
TMEM150C	5.1	4.7	3.5	5.5	5.4	3.9	6.1	4.5	4.8	2.6	4.5	3.2	3.8	2.6	3.9	3.5	2.2	4.2	3.8	5.7
TMEM159	26.9	26.1	16.5	17.6	15.5	18.4	21.8	19.9	17.1	20.0	20.4	26.1	28.7	17.9	17.3	21.5	17.3	18.5	21.9	16.4
TMEM161A	2.4	5.3	2.9	6.1	4.6	6.3	4.1	4.0	6.0	6.4	7.4	8.8	7.5	6.1	6.7	5.5	3.8	6.4	7.5	3.9
TMEM164	9.3	15.2	9.5	13.9	9.0	9.0	8.3	7.1	11.4	9.1	10.8	9.8	8.1	10.8	6.6	10.8	12.5	8.6	8.3	8.9
TMEM165	7.6	8.6	9.2	15.4	12.0	7.2	7.7	9.1	12.2	7.5	7.7	9.8	9.2	12.0	11.6	9.9	9.0	8.7	9.0	10.8
TMEM167A	6.3	7.1	6.7	7.5	7.6	6.1	5.6	8.0	8.9	7.4	8.4	5.9	8.6	10.7	7.8	7.4	8.3	9.0	6.7	10.3
TMEM167B	7.0	9.6	8.0	9.3	12.1	9.1	9.0	9.4	10.5	8.6	12.8	10.8	11.1	12.6	11.7	9.7	10.3	10.6	8.3	12.4
TMEM168	5.2	4.7	5.4	6.0	6.9	4.9	5.4	6.3	5.8	3.3	4.0	4.6	3.9	5.9	3.9	4.1	4.4	4.5	4.6	6.3
TMEM173	8.5	8.6	5.2	12.4	10.6	9.2	6.2	10.4	18.4	7.6	9.7	11.1	14.2	12.8	16.1	7.7	10.1	8.4	8.9	15.6
TMEM175	5.2	4.8	4.5	4.2	7.1	5.8	4.4	5.4	7.5	5.5	5.6	6.1	7.1	7.4	7.9	5.7	5.6	6.1	6.2	6.8
TMEM176A	3.7	3.7	2.5	34.4	7.9	7.1	6.1	5.3	11.1	3.1	8.5	6.4	7.2	10.3	15.4	5.4	15.1	9.3	8.3	6.0
TMEM176B	7.1	7.7	6.6	49.0	12.9	12.5	9.6	11.9	27.6	8.0	18.3	13.1	15.4	21.5	33.6	10.5	40.3	29.1	19.3	16.4
TMEM177	3.0	2.1	2.3	3.2	1.8	2.1	2.4	1.5	2.0	1.2	2.6	1.7	1.1	1.3	1.2	1.9	0.8	1.6	1.7	1.3
TMEM179B	6.3	6.3	5.9	9.0	6.9	6.7	5.7	7.9	7.8	6.5	8.1	6.7	8.7	8.0	11.3	5.4	7.9	5.0	8.6	8.8
TMEM18	1.5	2.3	2.0	1.7	2.6	2.1	2.0	2.0	1.7	1.6	1.9	1.9	1.9	1.3	3.6	1.5	1.8	1.6	1.8	2.7
TMEM181	2.7	2.1	2.2	2.9	2.9	2.1	2.2	2.2	3.0	2.7	2.8	1.8	3.0	4.2	2.7	2.7	3.3	2.9	3.2	3.9
TMEM182	37.1	34.3	29.0	17.2	30.2	26.8	25.2	34.8	37.0	25.1	19.8	31.5	24.0	22.2	21.2	37.8	20.1	36.5	26.6	32.5
TMEM183B	5.9	7.7	6.8	9.8	8.2	7.1	6.2	8.1	7.9	7.2	8.7	4.0	10.4	12.3	10.3	6.3	8.2	6.9	8.4	9.1
TMEM184B	10.9	8.9	8.3	9.6	11.9	10.1	7.3	10.1	13.4	12.2	7.8	9.9	9.5	12.8	14.2	15.4	11.2	11.8	12.4	13.1
TMEM184C	4.3	3.8	4.0	4.7	3.6	3.4	3.1	4.7	4.6	3.4	4.2	3.1	3.6	3.6	3.0	4.1	3.9	3.9	3.7	5.3
TMEM185A	7.0	6.3	6.5	5.7	8.6	6.9	5.9	6.4	6.0	5.5	7.5	6.3	7.5	9.5	9.3	8.4	5.6	7.1	5.8	7.1
TMEM185B	5.3	5.7	4.4	4.4	5.8	3.3	4.9	4.2	7.8	5.1	6.3	5.6	5.0	6.8	5.4	7.0	5.3	5.8	5.8	5.8
TMEM186	2.6	2.6	2.5	2.2	2.5	2.8	3.1	3.0	3.4	2.9	3.7	3.3	3.2	1.6	3.3	2.7	2.2	2.8	2.3	3.2
TMEM188	2.8	2.7	2.4	3.4	2.8	2.0	2.3	3.0	3.2	2.6	1.8	2.8	3.2	3.5	3.2	3.1	2.5	2.7	2.4	3.8
TMEM189	5.9	7.9	6.7	6.9	8.5	6.2	7.0	7.7	6.2	5.5	5.6	4.3	5.4	8.3	6.7	7.7	5.4	6.6	5.9	6.5
TMEM19	2.7	2.6	2.9	2.7	3.9	2.3	2.2	3.3	4.2	2.7	2.8	2.4	2.8	3.8	2.5	2.8	2.3	2.9	2.7	3.5
TMEM199	4.6	5.6	4.8	5.2	4.4	3.6	3.7	4.4	5.2	4.9	6.2	5.4	5.0	6.2	5.9	5.2	4.0	5.1	5.1	6.4
TMEM2	1.2	1.3	0.8	1.8	1.3	1.4	1.2	1.1	2.5	3.0	0.8	0.9	1.9	2.1	1.2	2.0	2.5	1.5	1.7	2.7
TMEM201	3.5	4.5	4.0	4.0	4.9	3.8	3.5	4.9	4.6	4.6	3.8	5.0	3.6	4.3	3.4	3.9	3.2	3.7	4.5	3.9
TMEM203	12.0	13.8	11.2	11.0	13.3	12.6	12.7	14.2	14.0	11.1	14.1	12.1	15.9	16.9	12.9	14.6	9.6	11.4	11.2	11.4
TMEM204	7.2	10.4	13.8	8.9	13.1	12.2	10.0	10.8	10.0	9.2	11.7	9.2	13.5	12.1	17.7	6.1	12.3	7.6	10.9	10.9
TMEM205	22.8	27.0	27.7	36.7	28.5	28.9	33.0	28.0	25.1	21.2	22.6	23.4	27.8	35.1	26.9	25.8	24.8	22.0	25.0	28.3
TMEM208	2.8	3.7	2.9	3.4	4.1	2.7	3.1	3.9	4.8	2.6	5.4	5.3	6.4	5.9	4.1	3.0	4.5	4.3	4.6	5.1
TMEM214	7.3	8.2	7.1	10.9	11.3	7.4	7.2	9.3	10.3	7.8	8.3	8.4	10.8	12.0	14.6	7.7	7.9	7.8	8.2	11.2
TMEM216	1.5	1.7	2.0	2.0	1.4	2.1	2.1	1.1	2.4	1.5	2.5	1.8	2.1	2.7	3.1	1.9	1.9	2.4	1.7	3.5
TMEM219	15.6	14.7	14.8	14.0	20.5	18.2	17.9	18.1	20.9	15.0	17.7	20.8	21.8	25.1	30.1	16.8	16.4	18.4	19.2	25.0
TMEM22	0.6	1.2	1.0	0.9	1.5	1.0	0.9	1.0	1.1	2.4	1.0	1.3	2.3	1.8	3.0	1.3	1.3	1.0	1.4	1.9
TMEM222	7.4	7.1	8.2	6.9	8.3	10.5	7.6	6.7	10.2	8.3	9.5	9.2	10.6	11.4	11.1	8.6	9.3	8.4	9.0	8.5
TMEM223	7.3	6.2	5.5	5.1	5.8	6.1	6.2	6.5	7.7	4.6	7.4	5.5	5.0	5.7	5.2	4.6	2.8	4.4	4.5	5.9
TMEM231	2.0	1.7	1.5	1.9	2.0	2.5	1.2	1.8	3.2	2.9	3.1	2.9	3.4	2.7	4.5	2.7	2.6	3.5	2.0	4.2
TMEM25	2.7	2.4	2.1	2.3	2.3	2.4	3.1	2.7	3.0	1.6	2.5	1.7	2.3	2.7	3.3	2.8	1.7	2.1	2.4	3.0
TMEM30A	10.6	11.9	10.9	10.5	14.2	11.8	8.9	13.4	15.5	11.6	12.8	10.6	14.7	14.5	13.0	10.2	11.5	15.0	13.1	17.9
TMEM38A	3.8	10.1	8.3	4.2	8.0	6.3	6.8	7.5	7.5	4.1	6.4	6.5	4.2	3.7	2.7	8.2	3.0	4.1	6.5	4.5
TMEM38B	11.1	11.9	10.6	7.0	15.9	9.3	8.0	9.8	8.8	7.7	11.8	9.1	6.2	9.8	6.2	9.9	6.7	9.6	8.2	8.2
TMEM39A	2.3	2.6	3.6	4.1	2.5	2.6	2.1	4.0	3.2	3.4	3.1	2.5	3.2	3.8	4.4	3.2	3.3	3.8	3.6	4.7
TMEM39B	1.1	1.3	1.6	2.1	1.8	1.7	1.5	1.5	2.5	2.2	1.0	2.3	1.9	2.2	3.5	1.9	2.0	1.8	1.9	2.5
TMEM41A	2.9	2.4	2.8	2.7	2.7	2.3	2.0	3.1	3.5	2.6	2.9	3.2	2.3	2.6	3.0	2.5	2.0	2.9	2.6	3.5
TMEM41B	3.4	3.7	2.9	3.1	3.5	2.3	3.1	3.2	4.2	2.6	3.6	3.6	3.5	3.7	3.4	3.8	3.4	3.4	3.2	4.0
TMEM42	4.4	3.2	3.6	2.9	4.5	3.6	2.9	1.9	4.5	3.7	3.9	4.8	5.0	5.4	5.4	2.9	2.7	4.7	3.9	6.6
TMEM43	12.0	16.3	16.1	13.9	30.0	14.1	11.4	16.6	27.2	19.9	13.9	17.5	18.6	28.2	38.3	19.4	20.7	16.7	14.9	26.3
TMEM44	2.7	1.9	2.0	1.7	2.5	2.4	1.8	1.9	2.1	1.2	1.9	2.1	2.5	2.1	3.4	2.1	2.3	2.0	1.6	2.9
TMEM45A	0.9	0.8	0.6	1.5	1.7	0.8	0.8	1.2	1.0	1.1	1.1	0.4	1.8	2.7	3.1	1.1	2.2	0.8	0.5	2.4
TMEM47	9.3	8.5	7.1	6.9	11.1	7.6	8.8	11.9	10.3	9.7	8.8	8.5	7.9	9.8	11.2	9.3	9.9	8.8	9.3	15.7
TMEM5	4.8	5.5	5.1	7.8	5.8	4.7	4.6	4.7	5.8	5.0	7.3	4.9	5.3	7.5	5.6	4.5	6.3	4.3	4.3	4.7
TMEM50A	13.1	12.4	11.6	13.0	15.2	11.4	12.1	13.4	17.6	14.0	15.0	16.6	17.6	18.4	24.5	14.3	17.0	14.9	14.5	19.0
TMEM50B	8.8	11.0	7.7	9.8	9.7	9.4	8.2	7.5	10.4	8.8	9.8	9.7	10.5	12.6	12.1	11.0	7.9	12.5	8.5	11.7
TMEM54	2.9	3.1	1.3	1.9	5.9	6.9	2.3	4.0	7.9	4.6	4.4	6.3	8.6	8.5	8.8	4.3	5.0	6.2	6.1	5.5
TMEM55A	8.0	7.1	6.7	7.1	11.1	9.7	6.8	9.5	6.4	5.4	6.0	8.1	7.2	8.7	7.0	7.4	7.2	8.9	5.2	10.0
TMEM55B	4.9	5.7	3.9	4.3	6.6	7.1	4.6	4.7	6.6	5.2	6.6	6.8	6.2	7.0	8.0	6.9	5.5	6.0	5.7	7.1
TMEM56	7.4	5.9	4.7	4.1	9.3	7.0	4.5	6.6	9.5	5.5	5.9	5.8	5.6	8.6	4.5	8.3	5.4	8.6	5.9	7.1
TMEM57	4.1	4.0	3.1	3.3	3.9	3.2	2.6	3.7	4.4	4.1	3.7	4.1	3.6	5.1	4.4	4.3	3.7	3.7	3.7	4.6
TMEM59	56.0	51.3	48.2	53.0	65.4	49.7	55.9	56.9	63.9	48.3	53.0	55.7	62.4	69.0	67.8	59.0	54.8	54.3	55.9	64.8
TMEM59L	0.3	0.4	0.3	1.0	0.9	0.5	1.4	0.6	0.7	0.8	0.8	0.6	3.4	3.0	1.2	0.6	0.8	0.8	0.3	1.8
TMEM60	2.1	2.4	1.8	2.5	2.9	3.0	2.1	2.7	3.9	3.4	4.1	4.6	5.6	4.5	5.5	3.6	2.9	2.8	2.5	4.7
TMEM62	2.0	2.4	2.0	3.4	3.0	1.8	2.7	2.1	2.5	1.4	1.7	1.6	2.6	3.6	2.4	2.2	1.8	2.0	1.4	2.2
TMEM63A	6.2	6.0	5.5	5.1	6.4	6.5	5.1	6.8	7.6	5.2	5.3	5.1	5.1	5.1	7.9	6.5	4.8	6.3	7.2	9.3
TMEM63B	9.2	7.2	7.1	9.8	8.1	7.2	7.9	8.5	9.5	9.7	7.8	8.2	8.6	10.9	7.8	9.6	9.2	7.9	8.8	8.2
TMEM65	9.4	10.2	7.7	9.0	9.8	8.6	8.5	13.6	9.1	6.7	7.1	9.2	6.4	8.9	5.5	6.6	5.8	8.0	7.6	7.8
TMEM66	64.3	56.3	41.1	56.2	65.4	57.1	49.4	52.9	72.7	64.4	64.6	75.3	75.7	75.4	78.1	66.4	63.8	70.9	72.8	73.6
TMEM67	3.7	3.8	2.8	3.1	4.2	3.8	3.6	2.3	4.5	3.0	4.3	4.1	4.0	4.4	2.6	1.9	2.9	3.8	3.9	4.6
TMEM69	8.2	8.2	8.1	7.1	8.2	6.4	8.5	9.0	7.9	5.9	8.1	6.6	9.6	8.1	6.7	6.3	7.0	7.6	7.4	7.4
TMEM70	6.0	6.5	7.9	8.4	9.2	6.7	8.2	6.1	7.0	5.9	7.2	6.1	6.9	7.1	5.8	5.9	4.9	5.9	6.5	5.8
TMEM71	7.1	11.2	8.1	2.7	9.0	5.2	6.6	5.1	13.3	17.8	7.7	9.2	7.9	19.2	10.3	11.6	12.3	19.1	12.2	7.4
TMEM80	2.3	3.0	3.4	2.4	3.1	3.7	2.8	3.6	4.5	1.9	5.9	4.4	4.6	3.7	7.8	3.6	3.7	3.0	3.5	3.7
TMEM85	21.1	23.7	23.0	26.3	27.4	23.0	26.4	24.8	26.1	19.6	25.3	24.7	26.1	27.7	27.6	25.9	20.9	24.3	23.4	24.0
TMEM87A	5.6	5.7	6.0	5.0	7.2	5.6	5.3	5.9	8.1	6.6	6.5	5.6	8.9	8.5	12.6	6.9	6.8	6.3	5.4	10.0
TMEM88	15.4	12.2	10.3	15.7	13.7	12.9	13.5	15.0	10.0	5.4	13.0	10.9	11.4	4.9	11.3	9.3	10.0	9.5	12.9	10.6
TMEM8A	7.1	7.0	6.1	6.8	9.5	6.5	5.3	8.1	7.5	7.3	7.5	6.2	7.3	12.9	7.7	7.2	9.5	6.7	8.1	6.0
TMEM8B	3.1	3.2	3.4	2.9	3.2	4.1	3.4	3.9	4.9	3.6	4.4	5.1	4.9	5.4	4.4	4.8	4.9	4.0	5.2	5.0
TMEM9	5.7	7.2	5.4	5.7	6.7	7.7	5.9	6.1	7.9	6.4	8.0	8.2	7.8	12.9	13.3	6.7	6.1	7.4	6.4	9.3
TMEM90B	6.9	8.3	8.4	5.8	6.6	5.4	6.4	5.5	7.0	10.1	8.9	11.1	7.1	13.4	6.2	9.2	7.7	8.7	9.3	5.1
TMEM91	1.7	1.4	0.6	0.9	1.8	2.0	2.0	1.4	2.6	1.3	1.4	2.1	1.4	1.8	4.2	1.7	2.3	1.5	1.5	2.1
TMEM93	14.6	20.4	22.0	25.2	17.7	19.9	15.4	20.6	17.3	13.1	17.7	15.9	14.9	22.3	13.9	16.6	12.2	17.5	15.4	12.7
TMEM98	3.3	1.8	2.0	2.3	2.4	2.5	2.7	2.5	3.6	1.9	3.0	3.3	5.1	2.7	8.2	2.1	3.9	2.7	2.9	5.4
TMEM9B	14.7	15.9	16.0	15.1	17.6	14.7	10.5	16.7	16.7	16.7	15.1	16.6	23.7	20.2	17.3	16.3	15.0	18.3	13.5	17.1
TMF1	3.0	3.0	2.9	2.4	3.0	2.3	2.2	3.2	3.9	3.3	3.1	2.7	2.8	3.6	1.8	2.6	3.3	3.3	2.8	4.4
TMLHE	7.6	8.3	9.7	9.5	9.2	8.8	6.6	11.8	12.1	10.4	9.0	7.2	8.4	9.9	7.0	11.5	7.4	11.6	7.2	10.7
TMOD1	60.5	61.3	44.5	49.6	71.1	56.7	47.5	63.2	53.8	55.9	55.3	59.0	63.3	71.3	51.9	58.2	58.9	52.8	51.6	48.9
TMOD3	2.6	2.2	1.8	1.8	3.4	2.7	1.9	3.0	3.1	2.1	1.7	1.7	2.0	1.9	2.4	1.9	2.3	2.8	2.8	4.0
TMPO	3.5	3.2	2.4	2.1	2.8	3.6	2.8	3.2	3.8	2.3	2.1	2.3	2.8	3.2	3.9	3.3	2.6	3.3	3.0	5.0
TMSB10	178.8	141.6	136.6	196.0	185.2	105.9	165.9	140.8	197.7	127.0	125.9	128.8	160.4	119.5	285.4	144.2	150.6	145.1	151.8	180.4
TMSB4X	186.9	133.4	142.3	144.4	269.6	186.6	162.9	173.2	260.3	146.7	171.9	141.2	284.8	236.9	522.3	151.3	164.5	192.6	182.9	337.9
TMSL3	172.6	123.4	131.4	133.4	249.6	172.4	150.8	160.3	240.3	135.6	159.0	130.6	263.0	218.9	482.1	140.1	152.1	178.5	169.2	312.8
TMTC1	5.2	5.9	4.8	5.2	5.9	5.5	6.0	6.2	5.6	3.4	3.5	2.9	3.7	4.3	2.9	4.6	4.9	3.6	5.0	3.9
TMUB1	6.7	5.5	5.3	8.6	5.3	5.7	4.1	6.2	6.4	4.6	4.5	5.8	5.2	7.0	6.3	4.7	5.5	3.9	4.6	5.1
TMUB2	6.2	5.9	4.6	4.9	7.7	6.3	5.8	6.7	8.3	6.6	8.4	6.6	8.0	9.6	10.0	6.2	6.9	5.9	7.5	8.9
TMX2	24.3	23.2	25.1	27.1	25.5	21.5	22.1	30.1	28.5	22.1	21.9	21.0	26.7	26.7	25.8	28.9	19.9	20.8	21.6	25.0
TMX2-CTNND1	3.3	2.9	3.0	2.2	1.5	1.1	2.1	3.0	1.9	2.7	3.3	3.3	1.1	2.8	1.6	1.7	3.4	3.9	4.0	2.4
TMX3	5.4	5.7	5.3	4.9	6.9	4.6	4.4	5.0	6.2	5.3	5.8	5.1	5.9	5.5	5.4	4.8	5.3	6.7	5.8	7.6
TMX4	19.8	16.3	15.7	19.6	16.1	20.5	25.3	30.8	26.2	14.8	19.2	12.9	13.2	21.8	12.6	21.3	15.5	20.7	15.0	19.5
TNC	0.2	0.8	0.5	0.9	3.9	0.6	0.4	0.5	3.3	2.2	2.5	1.1	1.6	5.8	2.4	1.5	7.3	2.1	1.5	6.3
TNFAIP1	12.9	9.7	12.5	18.3	12.4	10.5	8.8	8.8	16.3	18.7	10.8	16.1	13.8	17.1	11.5	12.9	21.1	13.1	16.7	12.0
TNFAIP2	4.9	3.8	3.4	3.3	6.8	4.4	4.2	4.6	6.8	2.6	5.7	3.8	6.1	3.9	9.3	5.4	5.1	3.7	5.1	7.5
TNFAIP3	1.3	1.3	0.6	1.2	2.1	1.2	1.7	1.2	1.8	0.9	1.3	1.1	2.7	1.7	3.0	1.4	1.5	1.1	1.1	2.2
TNFAIP8	3.6	2.1	2.3	3.2	1.2	1.3	3.6	1.4	1.5	1.1	2.4	1.4	3.4	1.6	1.9	1.7	1.4	1.3	2.2	2.1
TNFRSF10B	3.8	2.8	3.0	4.2	4.5	4.1	3.0	3.4	4.6	3.3	3.9	3.0	3.7	3.7	5.4	4.4	4.2	4.5	3.8	4.9
TNFRSF10D	1.0	0.5	0.7	0.7	0.8	1.3	0.7	0.7	1.3	1.7	0.6	0.9	1.5	1.2	2.3	1.4	1.2	1.5	1.6	1.5
TNFRSF11B	1.2	0.8	1.8	3.7	2.7	0.8	0.6	0.9	6.9	4.5	2.7	3.6	4.9	10.5	8.4	2.1	19.7	4.0	4.0	5.8
TNFRSF12A	8.2	20.3	50.2	6.8	24.5	5.2	6.5	6.0	22.3	26.4	21.7	27.2	9.2	41.6	34.7	20.5	29.8	26.6	23.3	16.4
TNFRSF14	3.5	3.5	2.8	3.1	6.0	4.9	4.3	4.4	5.7	2.4	3.8	6.0	5.3	5.0	8.3	3.5	4.4	4.2	4.8	5.6
TNFRSF19	9.1	4.8	6.3	5.6	9.2	11.3	2.9	5.3	7.4	6.2	7.6	3.3	6.7	8.0	4.2	4.2	5.5	4.9	8.0	8.4
TNFRSF1A	8.1	8.1	8.4	14.2	7.7	9.3	7.0	7.5	13.1	10.8	6.9	5.9	13.5	10.8	21.5	7.8	9.9	8.8	9.9	11.4
TNFRSF1B	2.7	3.7	2.3	3.0	4.7	4.1	3.6	3.8	5.1	2.9	3.0	2.7	5.5	3.2	6.7	4.1	5.0	4.8	4.0	4.7
TNFRSF21	1.9	2.7	2.2	2.3	4.0	3.1	3.3	4.4	3.1	1.6	2.6	1.7	1.7	1.4	2.7	3.0	2.0	2.1	2.2	2.4
TNFRSF25	4.1	3.6	2.5	2.2	3.3	4.3	2.5	2.7	4.4	3.3	4.0	3.9	4.6	4.2	5.5	3.7	2.8	4.7	4.5	6.3
TNFSF10	4.4	10.8	2.4	4.4	8.7	7.5	8.1	7.2	9.6	7.0	9.4	7.4	31.2	5.1	14.2	4.1	5.6	5.3	7.9	10.2
TNFSF12	8.6	9.3	10.4	9.6	14.6	13.4	7.7	12.0	13.1	11.2	13.7	10.8	17.0	18.6	30.5	11.1	13.7	12.5	13.7	17.7
TNFSF13	1.6	2.3	2.9	1.7	5.3	2.4	1.2	2.6	2.3	1.2	1.1	1.8	2.5	2.4	4.4	2.2	0.9	1.6	2.0	3.4
TNIK	3.1	3.6	2.5	3.0	2.1	2.6	2.6	3.6	3.7	3.2	3.6	3.3	3.4	2.9	2.2	2.7	3.8	3.4	3.5	3.9
TNIP1	24.3	32.8	22.5	27.5	33.0	33.0	25.2	26.9	29.5	28.4	30.8	29.7	38.5	34.7	34.5	31.7	34.6	34.1	26.6	30.6
TNIP2	6.1	4.9	4.4	10.9	6.5	6.4	6.2	4.3	7.4	5.1	5.1	5.9	7.1	8.1	7.9	6.4	8.7	4.9	4.1	5.1
TNK2	3.1	3.7	1.8	3.4	6.2	6.4	2.9	4.3	6.5	5.3	3.9	7.2	7.2	9.1	7.7	3.9	4.9	4.2	5.1	9.1
TNKS	3.5	3.2	2.7	2.7	3.2	3.5	2.6	3.2	4.3	3.1	4.1	2.9	2.9	3.6	2.2	2.8	3.2	3.9	3.6	4.6
TNKS1BP1	9.2	7.2	7.2	7.3	8.8	9.3	5.4	8.6	11.3	7.8	7.8	6.8	7.8	7.5	15.6	9.3	7.5	7.9	8.8	12.6
TNKS2	4.0	3.7	3.3	3.5	4.2	3.7	2.8	3.8	5.4	4.1	3.7	3.0	4.2	4.5	3.3	3.9	4.3	4.4	4.4	7.1
TNNC1	3484.9	4788.3	4145.2	3828.9	2336.0	3174.1	3605.1	3342.8	3134.7	3369.7	3838.2	4081.1	3191.5	3107.6	2425.5	3848.6	3514.9	3272.9	3759.2	2753.9
TNNI1	1.2	5.6	0.1	0.1	15.1	1.8	1.4	1.3	7.1	1.3	1.2	17.8	2.9	2.1	7.5	0.9	5.3	0.7	3.7	7.9
TNNI3	2013.6	3638.4	2937.9	2048.6	1332.7	2939.2	2112.3	1976.5	2509.5	3419.2	3245.2	3583.3	2905.8	2113.4	1651.4	2831.3	2616.4	3290.6	3345.8	1664.3
TNNI3K	20.6	22.3	15.8	14.4	19.6	16.4	16.0	20.2	22.8	20.3	22.9	23.7	16.4	15.1	9.7	19.0	14.7	18.4	21.0	15.9
TNNT1	58.3	112.8	46.2	26.4	61.9	25.1	60.5	18.2	62.3	68.6	96.5	108.0	70.8	63.1	51.8	116.6	84.9	73.1	39.4	25.7
TNNT2	5037.9	4684.8	4704.8	4556.0	4485.0	5387.1	4950.2	4996.0	4125.6	3621.9	4219.9	3862.4	4424.2	4498.4	3334.7	4820.1	4261.3	4129.0	3704.2	3573.4
TNNT3	20.1	30.1	21.4	13.6	29.3	22.7	29.0	34.1	17.6	18.8	12.9	42.1	21.1	12.7	9.8	37.1	18.1	21.0	45.1	14.7
TNPO1	5.9	5.2	5.3	5.3	5.3	4.6	4.3	5.7	7.5	5.1	5.6	4.9	6.7	7.1	4.7	5.2	6.0	6.8	5.9	9.1
TNPO2	7.4	7.7	6.3	7.8	8.5	7.9	5.8	8.4	11.6	9.5	8.5	10.4	9.2	9.7	12.5	8.9	10.0	9.2	9.6	10.6
TNPO3	5.6	5.6	4.6	7.3	5.4	5.4	4.2	5.8	6.4	6.4	5.6	6.1	6.4	6.2	5.9	6.4	5.6	7.1	6.0	6.6
TNRC18	3.9	3.4	2.5	3.2	4.9	3.9	3.2	3.8	5.3	3.8	3.7	4.5	4.5	5.3	8.2	3.8	4.3	4.0	3.9	6.7
TNRC6A	6.9	8.2	7.5	6.1	8.2	7.9	6.1	7.7	8.4	6.1	7.9	7.9	7.8	8.0	6.7	7.1	7.8	8.5	7.8	11.4
TNRC6B	2.5	2.4	2.0	2.4	2.2	1.8	1.8	2.5	3.3	2.6	2.6	2.4	2.3	2.8	1.8	2.5	2.0	2.8	2.5	3.1
TNRC6C	2.1	2.6	2.0	1.6	2.2	2.4	1.8	2.7	2.8	1.8	2.6	2.3	2.0	2.0	2.1	2.4	2.0	2.7	2.4	3.7
TNS1	100.7	111.1	75.7	79.8	114.5	112.0	77.2	139.4	114.9	78.6	94.2	86.5	88.6	106.7	118.0	138.9	112.2	114.1	84.6	110.2
TNS3	6.1	6.3	4.1	6.5	7.3	6.6	4.2	6.8	7.1	4.8	5.5	5.4	6.8	8.6	9.4	6.9	7.3	7.5	5.7	10.5
TNXB	16.9	15.2	12.2	14.8	23.1	19.5	12.0	17.1	42.5	19.2	31.0	24.9	19.2	11.8	82.1	18.9	14.6	18.5	23.3	35.0
TOB1	13.9	14.5	11.2	13.0	12.3	17.9	9.0	13.3	15.1	16.4	15.4	17.5	17.6	14.8	18.7	17.4	11.4	13.0	15.7	15.9
TOB2	9.9	13.9	13.4	16.1	11.0	15.0	7.2	14.8	13.3	13.2	9.0	13.5	13.6	14.9	11.9	22.5	11.2	12.3	12.5	14.3
TOLLIP	8.5	8.0	7.1	7.3	8.6	7.2	6.0	7.0	8.0	7.9	8.0	8.4	8.5	9.3	9.9	8.2	8.4	8.2	8.4	8.7
TOM1	12.9	12.7	14.2	16.7	19.1	15.8	12.4	9.6	12.4	12.0	16.2	14.4	12.1	11.1	14.0	14.1	12.3	10.8	11.3	11.9
TOM1L2	34.6	44.8	32.8	34.1	37.5	41.2	35.7	44.7	48.9	44.6	55.9	49.4	42.2	48.8	40.1	46.9	46.0	49.7	45.7	45.5
TOMM20	17.2	16.7	16.1	14.4	20.0	14.8	13.9	14.1	17.8	13.1	19.0	18.5	15.6	15.1	16.9	14.6	14.5	17.7	14.5	19.7
TOMM22	12.1	13.0	14.2	16.2	13.2	10.0	11.9	15.9	15.6	16.7	17.6	16.6	17.2	19.5	16.3	14.2	15.8	18.1	16.5	15.5
TOMM34	4.6	4.0	4.7	4.2	4.0	4.5	3.8	3.8	5.2	4.5	3.9	4.9	5.0	7.3	6.9	5.7	4.4	5.3	4.5	5.9
TOMM40	8.0	11.0	11.3	10.6	9.6	7.5	8.8	9.1	10.1	7.5	11.4	11.4	9.5	8.7	10.9	10.9	10.1	9.0	10.6	9.7
TOMM40L	10.7	11.8	10.3	13.3	9.1	8.8	8.5	14.3	12.1	8.0	10.7	7.1	8.7	11.0	8.3	10.6	7.3	9.4	8.4	10.7
TOMM5	15.3	18.9	21.6	22.0	16.9	18.3	19.9	19.6	17.8	18.3	20.6	19.5	19.7	22.5	23.3	18.3	17.9	21.0	18.6	21.8
TOMM6	28.0	34.4	33.9	36.4	26.6	24.7	31.8	34.9	33.3	29.6	38.6	33.1	35.1	25.6	34.1	27.0	29.1	33.7	32.1	31.1
TOMM7	57.8	61.1	62.7	56.2	53.1	52.4	61.2	54.2	52.8	49.8	75.9	80.9	48.0	38.8	70.9	50.9	46.4	50.8	60.4	69.9
TOMM70A	17.7	16.6	17.3	15.7	14.2	12.4	14.1	15.2	16.2	14.6	17.3	13.5	13.6	19.0	11.5	15.5	13.3	17.2	13.6	16.2
TOP1	6.3	7.1	6.0	6.8	6.5	5.9	5.2	7.0	8.1	7.5	5.1	6.1	8.5	8.0	6.7	6.7	6.5	6.8	6.5	8.7
TOP2B	21.4	22.0	16.4	17.3	15.0	18.1	17.9	22.7	24.2	20.6	22.7	16.8	20.5	18.9	14.9	17.0	19.9	20.3	18.5	20.9
TOP3B	2.9	2.5	1.8	2.2	3.7	3.0	1.9	2.7	2.6	2.7	2.5	2.1	3.6	2.6	3.9	2.7	2.4	2.8	2.7	2.9
TOPBP1	2.6	2.5	2.9	2.7	2.6	2.5	2.4	3.1	3.0	2.3	2.6	2.2	2.8	3.1	2.2	2.8	2.7	2.2	2.4	3.2
TOPORS	2.2	3.1	2.2	2.6	3.0	2.5	2.7	2.7	3.2	3.0	2.3	2.2	2.6	3.2	2.4	2.8	2.9	3.1	2.7	3.9
TOR1A	5.5	5.0	4.6	3.9	7.0	5.6	4.4	5.4	7.2	5.4	5.0	4.5	6.4	7.4	8.7	5.9	7.0	5.5	5.4	6.8
TOR1AIP1	10.9	10.9	9.0	7.5	13.5	9.5	7.7	10.1	12.8	12.8	11.6	10.1	12.8	11.7	13.5	14.1	12.0	12.5	12.5	17.9
TOR1AIP2	2.1	1.9	2.4	1.5	2.1	1.5	1.5	2.0	2.1	1.5	1.5	1.4	1.7	1.6	1.5	2.2	1.9	2.8	1.8	2.4
TOR1B	2.5	2.6	2.1	2.8	2.8	2.5	2.5	2.3	3.3	2.6	3.2	1.8	3.8	3.2	3.9	2.7	2.3	2.5	2.8	3.2
TOR3A	2.0	3.0	2.1	4.2	3.0	3.3	2.3	2.7	4.3	2.4	4.4	2.9	3.8	4.3	5.0	3.4	2.9	3.0	3.0	4.2
TOX4	11.6	12.0	11.2	11.0	10.8	10.7	9.3	11.2	12.8	12.1	11.6	11.9	11.3	13.2	10.4	11.7	11.9	13.1	11.2	12.4

TMEM141	16.7	13.6	15.0	12.7	11.0	9.0	15.1	13.3	11.4	18.0	14.8	13.4	12.8	12.3	17.2	12.8	15.3	10.6	12.8	12.7
TMEM143	15.8	17.9	13.3	16.5	14.9	12.4	17.4	18.8	11.0	14.5	14.5	15.4	6.2	15.8	14.4	15.6	16.8	14.2	13.6	16.9
TMEM147	22.3	20.2	19.1	20.2	17.7	16.9	19.7	21.3	13.1	23.0	18.4	22.9	18.3	20.9	19.9	20.3	18.7	18.2	18.9	20.0
TMEM14A	3.5	3.1	2.4	3.9	2.4	3.4	2.0	3.4	2.8	4.2	2.9	2.7	3.8	3.8	2.5	2.4	2.7	1.4	2.6	3.1
TMEM14B	31.9	30.2	28.7	30.5	22.1	24.0	32.2	32.6	20.1	32.5	26.5	27.9	21.0	27.1	32.9	25.5	31.0	24.7	32.9	29.8
TMEM14C	39.5	33.1	30.1	35.6	27.3	30.3	36.2	31.3	28.2	37.4	32.5	31.4	31.7	34.5	38.7	26.6	37.4	30.5	29.5	32.1
TMEM150A	4.7	3.5	1.8	3.5	4.5	4.1	5.5	3.4	4.3	5.7	4.1	3.7	8.0	5.7	4.1	3.7	6.6	3.1	3.8	2.6
TMEM150C	3.2	4.1	3.6	2.3	1.7	3.6	3.7	3.4	1.4	3.5	4.0	4.2	5.6	3.0	3.9	3.2	4.9	3.1	3.6	3.6
TMEM159	15.1	20.0	21.7	17.3	14.2	18.6	21.0	20.1	14.5	18.4	13.1	13.6	13.2	16.9	25.9	12.6	17.7	12.2	22.0	23.3
TMEM161A	6.5	7.6	3.6	5.9	5.4	7.5	6.2	6.4	4.7	7.6	5.9	5.5	5.6	7.3	8.5	4.1	6.5	5.9	3.3	5.9
TMEM164	12.4	10.6	13.2	11.6	8.9	10.0	13.6	11.4	6.3	10.0	9.7	7.5	10.7	10.9	11.6	10.1	15.0	10.4	17.8	11.3
TMEM165	12.1	8.3	8.8	7.1	7.2	9.1	7.2	9.0	6.0	10.3	8.5	13.6	15.3	13.5	8.6	10.2	9.9	11.1	10.2	7.0
TMEM167A	8.7	7.6	8.0	6.9	4.9	6.3	7.6	8.6	5.6	6.4	6.5	8.2	8.7	9.7	6.0	7.7	9.5	8.5	7.1	7.7
TMEM167B	12.1	10.8	12.4	11.6	7.9	9.7	11.1	10.4	9.1	10.7	9.1	11.4	11.5	11.3	9.1	10.8	9.4	10.8	14.3	11.6
TMEM168	4.1	4.3	4.4	4.2	4.6	4.1	4.5	4.0	3.2	4.2	4.3	5.5	5.3	5.3	5.6	4.1	5.3	3.6	3.9	5.9
TMEM173	11.3	10.1	10.2	11.4	10.1	9.3	7.5	9.1	12.9	9.0	6.9	11.4	12.8	11.4	7.2	6.7	10.3	5.7	9.3	9.4
TMEM175	7.3	5.7	4.8	6.1	6.4	5.6	4.5	6.7	6.3	6.5	7.6	6.1	8.7	6.5	5.4	5.2	7.4	5.5	5.9	5.5
TMEM176A	9.3	6.9	5.1	2.9	4.8	4.1	5.9	4.6	3.6	7.5	6.5	7.9	18.6	14.2	3.8	2.7	12.3	5.4	5.0	5.9
TMEM176B	16.8	15.7	12.4	5.0	9.0	8.9	16.9	8.3	7.2	16.4	14.8	11.8	29.6	42.5	13.7	7.9	26.4	13.0	9.3	15.4
TMEM177	1.4	1.4	1.1	1.6	1.9	0.7	1.8	2.3	1.7	2.0	1.7	2.1	0.6	0.9	1.3	1.8	1.5	1.7	1.3	1.7
TMEM179B	9.8	7.7	6.9	5.9	5.8	7.5	9.1	7.0	7.2	10.7	7.4	6.3	14.0	7.2	7.5	6.3	8.3	4.9	8.0	6.7
TMEM18	3.0	1.8	1.6	1.6	1.5	1.9	2.9	2.0	1.5	1.8	2.6	2.4	3.6	2.3	2.4	2.5	2.3	1.8	3.3	2.2
TMEM181	3.6	2.7	2.5	2.2	2.3	3.1	3.2	2.1	2.3	1.9	2.8	3.1	6.0	4.4	2.5	3.3	3.7	3.3	4.1	2.9
TMEM182	26.0	31.4	36.3	27.5	30.6	23.2	16.4	22.2	18.8	19.6	21.7	29.7	14.7	31.4	37.8	22.3	26.3	14.4	28.0	25.4
TMEM183B	8.6	8.5	6.6	5.2	5.2	7.8	6.9	7.6	5.3	7.0	7.4	8.3	13.8	10.2	9.0	8.1	10.0	7.7	10.9	7.5
TMEM184B	11.3	9.4	8.6	10.1	8.5	15.7	9.2	13.8	9.0	10.3	9.1	11.2	16.8	15.2	11.1	9.5	11.3	11.9	9.9	8.1
TMEM184C	3.8	3.5	3.7	3.5	2.2	3.1	2.9	3.7	2.2	2.3	3.0	3.9	4.1	4.3	2.1	3.8	4.9	3.2	4.0	4.1
TMEM185A	8.1	8.5	7.4	6.7	4.7	4.4	7.7	7.4	5.0	7.5	7.8	6.9	6.3	8.2	5.1	8.7	8.2	9.5	9.1	7.1
TMEM185B	6.1	5.2	7.3	5.4	4.4	4.2	7.6	6.5	4.2	5.5	4.7	6.7	6.7	6.8	6.4	6.2	8.2	4.9	6.9	6.0
TMEM186	2.9	2.9	2.0	2.9	2.3	1.9	2.1	4.5	2.5	3.8	2.4	2.6	1.8	2.8	2.8	3.0	2.9	2.4	2.7	2.6
TMEM188	3.2	3.3	2.9	2.5	2.2	2.6	3.5	4.4	2.5	2.7	2.6	2.8	2.8	3.3	2.3	2.8	2.9	2.1	2.5	2.6
TMEM189	6.7	4.4	4.0	3.6	4.5	6.0	4.2	5.7	3.2	6.4	5.5	6.1	7.4	7.3	5.3	5.8	6.6	5.4	5.2	5.2
TMEM19	2.8	3.0	2.1	2.1	2.2	2.3	2.3	2.1	2.1	1.4	2.3	2.6	2.3	3.1	2.0	3.0	2.6	2.3	2.6	3.0
TMEM199	5.1	4.1	5.4	5.6	4.0	4.7	4.5	5.3	4.2	4.8	5.8	6.3	4.7	5.9	4.3	3.8	5.0	3.6	6.3	5.2
TMEM2	1.4	0.9	0.9	0.9	1.7	2.9	1.0	1.9	0.9	1.3	1.1	2.9	12.8	4.9	1.4	2.7	2.8	1.5	2.6	1.1
TMEM201	3.6	4.1	4.5	4.0	3.3	3.9	4.3	4.4	3.0	3.5	3.4	3.5	3.3	4.7	4.3	2.7	5.6	3.5	4.1	3.2
TMEM203	12.3	10.2	12.1	12.5	9.3	9.5	13.2	12.4	11.2	13.2	11.0	12.1	7.6	11.5	11.9	10.8	12.9	9.6	10.8	12.5
TMEM204	11.7	8.4	8.5	7.1	14.5	16.6	16.5	17.6	17.9	15.4	18.4	19.2	24.4	24.2	16.9	14.6	23.2	13.5	15.5	9.5
TMEM205	24.0	25.0	24.3	24.1	24.5	18.8	25.3	24.5	18.2	26.6	25.3	29.2	20.1	22.5	24.6	24.8	23.5	22.8	25.5	21.7
TMEM208	4.4	3.6	3.0	3.1	3.8	3.1	3.6	4.5	4.1	4.8	5.0	4.7	6.7	5.2	4.1	4.1	5.3	4.3	2.7	3.1
TMEM214	11.4	8.2	7.9	6.9	8.2	11.0	9.6	9.2	9.3	10.9	9.2	10.6	13.6	12.2	8.3	9.2	11.3	10.9	9.6	7.5
TMEM216	2.9	1.5	1.4	2.3	2.1	2.0	1.8	2.1	2.1	2.2	1.6	2.1	2.9	2.0	1.5	1.3	2.5	2.2	1.4	1.6
TMEM219	19.8	15.2	17.4	19.8	18.5	18.4	21.4	21.5	16.8	20.2	21.5	19.8	28.2	20.6	19.7	15.7	18.4	11.2	18.1	17.3
TMEM22	1.6	1.0	0.8	1.2	0.9	2.4	1.6	0.8	1.2	1.8	2.2	1.9	4.5	2.1	2.1	2.1	2.8	1.4	2.0	1.5
TMEM222	10.9	8.5	10.0	9.4	8.8	8.2	9.0	9.4	7.8	10.6	8.7	8.2	9.7	7.9	8.5	7.3	8.9	6.7	7.7	8.0
TMEM223	5.2	5.1	5.8	5.9	3.8	3.4	5.2	6.1	4.5	5.1	6.3	6.0	3.2	3.5	4.8	3.0	5.4	3.2	4.0	6.0
TMEM231	3.1	3.4	2.5	3.1	1.9	3.3	1.9	2.9	2.9	1.9	2.2	2.9	1.6	2.6	1.4	1.9	2.2	2.2	1.5	1.9
TMEM25	2.7	3.0	2.7	2.1	1.8	2.2	2.2	2.9	1.6	3.4	2.9	2.4	2.1	2.2	2.5	1.9	2.4	1.5	2.4	2.5
TMEM30A	13.6	12.8	11.6	9.9	8.8	13.4	11.1	10.8	9.0	9.8	12.6	12.0	17.0	17.8	10.6	12.9	15.3	11.0	13.7	12.0
TMEM38A	3.3	5.6	7.1	6.6	4.1	3.9	6.7	6.9	2.5	5.9	4.3	4.6	1.9	3.4	6.1	4.4	6.4	3.1	6.8	7.1
TMEM38B	8.6	7.5	10.0	8.5	7.1	8.0	11.7	9.8	4.5	5.6	8.4	9.3	9.6	11.5	10.9	9.4	9.8	9.6	15.3	9.1
TMEM39A	3.8	3.3	2.9	2.3	2.4	4.5	2.8	3.2	2.7	2.9	2.1	3.5	6.4	6.4	2.9	3.7	6.5	3.8	3.5	2.9
TMEM39B	2.3	1.9	2.2	1.7	2.1	1.4	1.8	2.0	2.1	1.8	2.0	2.1	3.6	2.1	1.7	1.8	1.9	2.2	1.8	2.0
TMEM41A	2.5	2.6	2.8	2.8	2.3	2.0	1.9	2.2	2.3	1.7	2.2	2.7	2.2	2.5	2.3	2.3	3.0	2.2	2.5	2.5
TMEM41B	2.4	2.4	3.3	3.1	2.6	2.4	4.0	4.2	2.1	3.4	3.8	3.7	3.0	3.1	4.4	2.8	3.7	2.4	4.0	3.4
TMEM42	4.1	4.4	3.8	4.2	3.9	3.7	5.0	4.1	3.7	6.2	3.8	2.7	4.7	4.6	5.1	3.5	3.8	3.0	3.0	3.7
TMEM43	21.6	17.0	17.5	15.6	17.1	21.5	22.2	16.7	21.8	11.6	18.2	24.4	31.4	29.2	14.2	26.9	27.3	33.1	31.0	12.3
TMEM44	2.6	1.4	1.8	1.8	1.7	2.5	2.3	2.0	2.4	2.8	2.6	2.1	6.8	2.5	3.4	2.3	3.1	1.6	1.7	1.4
TMEM45A	2.5	0.9	0.9	0.6	0.4	2.3	1.3	0.4	1.5	1.0	0.4	1.4	4.3	1.8	0.0	1.0	1.1	1.4	0.9	0.9
TMEM47	10.0	9.4	10.2	8.9	6.6	12.2	9.7	7.2	5.7	5.2	8.1	9.0	11.9	11.4	7.8	8.2	8.9	7.0	10.5	11.6
TMEM5	5.6	5.6	5.2	5.3	4.1	4.2	6.2	7.1	3.7	7.0	4.2	5.5	7.2	5.9	4.2	5.2	4.7	5.9	6.4	4.6
TMEM50A	19.9	13.9	16.4	15.2	11.4	15.6	15.1	15.9	13.7	17.1	14.5	16.6	22.5	18.8	13.8	15.9	15.2	13.2	18.4	14.0
TMEM50B	11.6	9.2	10.6	11.0	8.3	9.2	10.8	10.8	7.4	11.1	10.8	10.5	11.0	13.1	11.0	9.4	13.3	9.1	12.1	10.7
TMEM54	5.6	2.9	3.2	5.0	4.9	3.0	6.4	4.8	7.7	5.2	3.1	6.4	5.0	6.0	5.3	3.9	5.3	3.9	2.8	2.2
TMEM55A	8.8	7.0	6.8	9.3	5.7	7.7	8.8	7.7	5.2	5.0	5.5	6.4	6.2	8.2	5.1	7.3	6.7	3.9	8.7	7.7
TMEM55B	6.2	5.3	4.9	5.2	5.5	4.6	6.8	5.7	4.8	5.9	5.2	6.2	8.8	6.6	5.8	7.1	5.1	6.5	6.7	5.7
TMEM56	7.1	7.0	9.2	7.5	6.8	6.0	6.9	7.6	3.9	4.2	6.2	8.1	3.3	8.0	8.5	6.9	8.8	7.5	8.9	8.6
TMEM57	3.9	3.5	3.4	3.4	3.6	4.2	3.1	3.7	2.7	3.5	2.5	2.9	4.7	4.7	3.5	3.1	3.4	3.0	3.8	3.5
TMEM59	57.6	52.3	57.7	54.0	43.1	48.3	54.5	47.4	42.2	57.7	42.7	55.7	57.1	61.8	54.8	49.4	56.1	46.7	56.4	52.1
TMEM59L	0.8	1.2	0.7	0.2	1.1	1.4	0.2	0.3	1.8	1.3	0.2	0.6	1.0	2.5	0.1	0.5	1.3	1.5	0.3	0.0
TMEM60	5.0	3.2	3.6	3.1	3.3	3.1	5.4	3.0	3.3	3.8	3.7	3.8	4.7	3.4	2.8	4.0	2.4	3.0	2.8	3.2
TMEM62	2.2	2.2	1.9	1.8	1.6	1.6	1.9	1.9	1.8	2.4	1.5	2.0	2.2	1.6	2.1	1.8	1.8	1.3	1.9	2.6
TMEM63A	7.0	6.9	5.2	8.1	4.8	7.2	6.5	7.5	5.0	4.7	7.8	6.7	10.8	7.3	5.7	6.8	7.3	4.7	7.5	7.1
TMEM63B	8.1	8.2	7.4	7.4	6.2	7.7	7.1	8.4	5.3	7.3	5.7	8.3	7.2	8.3	7.1	6.0	9.8	5.5	6.7	8.3
TMEM65	6.0	6.5	8.2	7.6	6.6	7.5	6.9	9.9	5.4	6.5	6.6	7.8	4.8	7.1	11.8	5.5	7.4	5.0	7.2	11.6
TMEM66	70.3	61.5	73.3	77.0	42.8	64.1	66.5	59.4	44.5	56.3	52.4	63.2	91.4	70.9	70.2	59.1	69.9	59.3	70.4	65.7
TMEM67	3.5	4.2	3.7	3.4	2.4	2.8	2.8	3.3	2.4	2.8	2.9	1.7	2.1	3.3	3.7	2.1	3.0	2.3	3.2	2.7
TMEM69	7.9	7.9	7.2	7.0	6.0	5.7	9.3	8.3	4.6	8.2	6.2	8.3	6.6	7.1	6.9	6.9	7.7	6.4	9.5	9.2
TMEM70	6.6	4.8	4.9	5.2	4.5	4.4	5.2	5.5	4.8	7.4	6.1	8.3	6.8	6.3	5.1	6.2	5.0	5.6	7.8	5.5
TMEM71	12.2	11.8	14.3	9.4	15.1	13.4	14.8	13.9	1.7	17.5	17.2	13.7	8.7	10.6	19.6	9.9	18.8	6.7	12.7	8.7
TMEM80	3.7	4.0	3.9	4.1	3.1	1.7	3.9	3.8	3.4	3.4	4.9	3.2	3.7	2.2	2.7	2.0	2.9	3.6	4.5	5.0
TMEM85	25.1	21.6	24.9	23.7	19.2	21.3	27.8	24.0	17.3	23.7	24.1	26.2	25.2	25.0	25.8	22.5	23.1	17.1	23.4	28.1
TMEM87A	8.0	6.2	6.4	5.9	5.5	8.5	7.8	6.5	5.3	8.2	5.7	7.5	14.1	7.9	6.6	7.2	9.3	7.2	8.3	7.9
TMEM88	12.9	12.3	11.0	11.7	6.2	6.2	9.4	10.8	7.1	14.7	13.7	10.5	10.2	11.1	9.8	12.1	10.0	12.7	9.8	15.4
TMEM8A	7.7	6.5	5.2	5.8	5.1	5.8	7.8	7.0	6.2	6.9	6.4	7.9	8.3	10.8	6.4	7.1	9.9	9.2	6.1	5.1
TMEM8B	3.6	4.0	4.0	4.0	4.5	3.8	4.0	4.9	4.2	3.8	3.0	3.3	4.4	3.9	4.0	3.4	3.3	3.3	4.2	4.5
TMEM9	8.0	7.4	9.1	7.0	5.6	8.2	6.1	6.8	6.9	8.1	6.2	7.2	6.7	6.7	8.1	6.4	5.6	4.5	7.4	5.9
TMEM90B	5.8	7.4	7.7	7.8	3.8	8.1	8.1	12.4	4.8	9.3	8.8	8.3	2.9	6.7	5.2	6.9	8.4	8.3	7.9	5.5
TMEM91	1.8	0.7	1.3	1.2	2.3	3.7	2.9	2.4	2.0	3.3	2.2	1.4	4.4	2.1	2.0	2.5	2.0	1.3	2.8	1.1
TMEM93	14.9	16.6	17.0	15.3	13.2	13.3	22.0	21.1	12.3	21.8	17.8	20.7	11.6	17.2	22.2	17.7	17.2	15.9	17.1	17.9
TMEM98	5.3	2.9	2.3	3.2	2.4	3.9	2.7	2.9	3.4	2.3	1.4	3.1	7.7	3.3	2.5	2.6	3.8	2.1	2.4	2.7
TMEM9B	18.6	15.3	17.9	16.8	10.2	14.9	13.6	15.6	12.7	17.8	12.8	16.9	15.3	15.9	12.7	14.4	18.9	17.7	14.9	15.1
TMF1	2.8	2.5	2.9	2.8	2.0	2.6	2.6	2.4	1.3	1.7	1.9	2.5	5.0	4.4	2.5	3.3	4.0	2.3	2.9	3.1
TMLHE	8.9	10.3	9.7	11.9	6.7	8.2	8.9	8.4	5.2	6.2	7.1	10.1	5.1	9.5	6.3	11.0	11.4	7.7	10.4	13.9
TMOD1	50.3	59.6	61.0	62.9	43.3	47.6	62.6	59.8	38.6	53.8	46.6	52.1	38.4	53.5	61.2	50.7	54.0	50.5	56.2	56.8
TMOD3	3.0	2.2	1.9	1.8	1.0	3.5	1.1	2.0	0.9	1.3	1.9	1.9	5.4	3.4	1.4	2.1	2.0	2.2	2.9	3.0
TMPO	3.9	2.4	3.4	3.2	2.1	3.8	3.6	3.0	2.4	3.2	3.8	3.8	7.5	5.2	4.3	3.1	4.1	2.0	6.2	3.7
TMSB10	182.1	109.3	149.1	138.8	161.4	175.0	142.3	147.4	156.1	206.5	175.5	218.4	437.0	180.0	173.9	163.5	159.2	117.5	202.0	140.5
TMSB4X	309.6	174.6	154.5	170.1	217.8	281.9	145.3	168.5	246.7	312.7	177.6	198.6	622.2	302.8	175.1	201.5	232.3	174.9	232.9	156.7
TMSL3	286.7	161.3	142.8	157.4	201.3	261.0	134.2	156.1	228.0	289.1	164.2	183.7	574.0	279.9	162.1	186.4	215.0	161.6	215.7	144.8
TMTC1	4.4	3.3	2.8	3.6	5.0	3.0	4.6	2.9	2.1	3.6	2.8	2.7	8.8	7.8	4.9	6.6	6.9	4.2	7.0	3.8
TMUB1	5.8	5.4	6.0	4.4	4.6	4.3	5.4	7.3	3.8	4.2	5.1	5.6	7.2	5.5	4.7	3.9	6.0	6.2	4.8	4.6
TMUB2	7.3	5.8	6.7	6.7	6.1	5.7	6.0	6.7	6.4	7.9	5.6	6.1	9.6	7.6	7.8	4.2	8.7	5.7	7.4	6.2
TMX2	26.5	23.6	23.2	18.0	18.5	19.2	24.1	24.8	19.8	25.4	20.2	28.0	21.8	23.2	22.5	25.2	25.0	20.3	22.6	21.7
TMX2-CTNND1	0.9	1.9	2.5	5.5	0.9	1.8	0.8	2.8	0.4	0.9	1.8	1.6	2.2	3.4	2.7	2.9	2.3	2.2	2.8	2.3
TMX3	6.0	5.7	5.9	5.4	5.0	5.5	5.8	6.0	3.6	4.4	6.0	6.1	6.6	6.6	5.2	6.0	7.9	5.5	6.3	6.5
TMX4	12.1	14.4	24.6	21.3	14.8	14.0	18.2	13.6	8.0	10.7	14.7	18.1	14.9	23.9	17.2	22.1	20.9	14.8	29.1	30.3
TNC	10.0	2.1	2.7	0.7	1.3	6.6	0.5	4.1	4.6	0.7	2.5	19.3	4.0	6.8	0.4	6.4	12.9	19.0	4.0	0.5
TNFAIP1	14.5	12.2	14.5	12.3	7.5	11.6	9.0	11.6	7.5	12.5	10.0	12.6	18.9	13.8	10.0	10.7	13.4	13.8	12.1	10.1
TNFAIP2	11.0	4.1	4.0	4.4	2.2	3.7	3.0	4.1	5.0	3.0	3.1	4.5	7.8	4.0	2.4	3.7	3.7	2.4	4.0	5.6
TNFAIP3	1.2	1.2	1.2	1.5	0.9	11.0	1.9	2.7	1.7	4.0	2.1	3.6	17.7	2.0	1.3	2.1	3.0	1.3	2.6	2.8
TNFAIP8	1.9	1.5	3.4	0.8	0.7	0.9	4.8	6.4	0.7	2.9	2.5	2.0	7.3	0.8	5.1	1.4	1.2	1.2	4.8	2.9
TNFRSF10B	4.2	3.3	3.9	3.6	3.0	5.7	3.9	3.8	3.1	3.9	4.6	3.5	12.2	4.6	3.1	3.2	4.5	4.2	4.5	3.2
TNFRSF10D	1.3	0.8	0.5	0.7	1.3	2.6	0.5	1.2	0.7	3.5	0.6	1.4	6.3	2.3	1.0	1.0	0.8	1.4	1.6	0.6
TNFRSF11B	3.5	3.6	3.6	3.9	2.2	5.2	1.5	2.8	4.5	1.9	2.6	17.5	11.2	4.9	1.7	4.3	3.5	7.3	2.3	2.5
TNFRSF12A	29.4	20.9	34.4	17.4	13.6	19.3	46.1	61.6	10.2	14.6	64.1	72.5	30.1	35.1	20.7	83.6	55.0	82.9	26.3	16.6
TNFRSF14	8.1	3.9	4.2	5.3	3.5	5.0	4.7	4.6	4.1	6.7	5.6	4.5	12.7	4.5	5.7	3.4	5.6	1.9	4.4	4.5
TNFRSF19	6.1	10.1	7.6	2.5	2.1	6.3	5.6	5.4	4.3	5.0	5.6	3.7	3.8	5.1	8.4	5.0	8.1	4.5	4.5	6.3
TNFRSF1A	13.7	7.4	6.6	4.8	10.0	9.4	7.6	9.2	8.7	8.9	5.5	11.4	27.3	19.2	8.5	9.4	12.1	11.1	16.0	7.2
TNFRSF1B	5.8	3.0	3.0	3.9	1.4	3.7	3.4	3.6	2.1	3.9	3.5	4.4	14.1	5.3	2.1	3.2	5.2	4.0	5.2	4.4
TNFRSF21	4.9	2.1	3.0	1.6	2.1	2.8	3.3	3.5	1.4	3.2	2.6	2.5	6.7	2.8	2.5	3.2	3.9	2.4	4.4	3.3
TNFRSF25	5.2	3.6	3.2	4.1	2.3	4.4	2.9	5.8	5.3	5.3	5.1	3.2	5.8	4.1	4.1	2.8	4.6	1.8	2.4	3.3
TNFSF10	9.5	10.3	11.2	20.4	1.9	5.4	4.6	4.3	5.1	4.1	8.0	6.3	7.3	3.2	3.5	6.7	3.4	4.2	10.8	18.6
TNFSF12	14.7	11.6	10.0	11.3	11.4	13.3	12.5	11.7	14.3	14.0	13.4	12.8	19.5	13.4	12.2	10.8	13.2	8.8	10.2	10.3
TNFSF13	4.6	1.2	1.7	1.7	1.4	1.6	3.2	2.5	1.3	2.6	1.4	2.0	5.3	3.4	0.9	2.5	2.9	2.0	2.5	2.0
TNIK	3.1	3.7	4.3	3.3	2.2	3.8	3.0	3.9	1.7	2.7	3.8	2.8	2.6	3.6	4.6	3.9	4.7	3.5	3.5	6.0
TNIP1	31.4	29.7	32.2	34.3	26.2	29.3	30.1	36.1	28.8	28.9	24.0	31.8	31.8	32.0	26.4	26.4	29.3	31.0	31.0	28.8
TNIP2	6.3	5.2	4.2	4.9	6.6	5.5	6.3	5.8	6.6	7.0	5.1	7.9	10.8	7.8	5.8	5.5	6.5	7.1	6.7	4.4
TNK2	4.6	4.2	2.8	6.4	4.9	5.6	3.7	5.0	7.1	4.0	4.2	4.7	8.8	4.8	4.5	2.7	4.0	4.6	4.3	3.2
TNKS	3.3	3.2	3.6	3.5	3.0	3.0	4.2	3.3	1.8	2.3	2.8	2.8	3.8	4.1	3.2	3.5	4.0	2.7	3.4	4.9
TNKS1BP1	13.6	7.6	7.1	6.4	8.9	11.3	8.1	8.4	8.5	8.5	7.9	10.0	22.5	16.6	8.5	10.3	11.6	11.4	13.8	6.9
TNKS2	3.6	3.9	3.5	3.6	3.4	4.4	3.1	4.0	2.7	3.2	3.5	3.7	9.2	6.5	4.0	5.0	5.6	3.7	4.4	4.2
TNNC1	2492.6	3044.8	4939.0	3542.8	3134.3	2836.4	4784.3	4814.2	2269.3	4427.8	4062.8	4070.5	1918.4	3172.5	4465.0	3584.7	3786.6	3356.9	4464.4	3565.2
TNNI1	2.7	0.9	3.6	6.6	8.8	2.9	1.4	0.4	3.5	0.8	0.8	0.4	2.9	3.7	6.5	0.4	1.9	0.7	0.8	0.5
TNNI3	3218.6	2999.4	4460.7	3287.9	2211.7	2990.0	3754.6	4204.9	2094.4	4454.4	4601.3	3341.7	1143.9	2122.8	2306.4	2769.3	2716.5	3270.2	3041.8	3057.2
TNNI3K	19.5	19.5	24.6	24.5	15.5	19.2	20.0	19.0	7.9	16.2	16.5	15.1	7.2	13.5	24.4	12.4	24.1	7.9	16.7	27.9
TNNT1	87.8	47.6	112.0	42.3	22.7	77.8	76.5	147.6	65.5	103.1	200.5	163.9	43.9	65.1	25.1	65.6	122.0	89.6	111.3	34.8
TNNT2	3145.9	3967.0	3976.4	3856.0	4220.7	3013.2	5142.6	3840.1	2897.5	5044.4	4831.8	4588.3	2348.3	3670.4	4396.4	4148.1	4278.0	3699.7	4458.3	4589.9
TNNT3	16.3	16.6	66.3	37.7	19.5	19.7	11.1	40.5	13.2	44.5	33.9	62.0	8.7	29.1	46.7	26.3	16.8	18.0	48.5	51.0
TNPO1	5.7	5.5	5.7	5.8	4.7	5.6	4.7	5.8	4.3	3.9	5.0	5.9	6.4	7.1	4.9	7.1	7.5	5.2	5.4	6.8
TNPO2	9.4	9.4	8.9	9.8	7.5	9.5	10.0	9.6	7.7	6.6	8.8	8.9	11.7	10.9	8.7	7.5	10.2	8.1	9.2	8.5
TNPO3	7.5	6.2	7.4	7.3	4.0	5.0	7.0	6.6	3.0	4.9	4.3	5.3	6.7	7.6	5.0	5.8	6.9	7.0	6.5	6.8
TNRC18	5.3	4.1	3.5	3.5	3.0	4.3	3.2	4.0	3.7	2.6	3.6	3.7	6.5	4.9	3.0	3.4	3.7	4.1	4.6	4.4
TNRC6A	8.2	8.1	9.1	9.0	6.3	7.0	7.7	9.1	5.1	5.2	8.4	6.4	8.9	8.5	9.0	9.5	11.4	8.0	8.3	9.7
TNRC6B	2.1	2.3	2.7	2.5	2.5	2.8	2.6	2.9	1.6	1.8	2.0	1.8	3.0	3.2	2.3	2.7	3.0	2.0	3.4	3.2
TNRC6C	2.3	2.4	2.7	2.5	2.3	2.2	2.7	2.8	1.5	1.5	2.6	1.8	2.7	2.6	3.2	2.2	3.3	1.9	3.0	3.4
TNS1	95.9	97.2	106.3	114.3	78.7	90.9	105.8	87.0	70.2	61.1	73.9	91.0	84.3	137.8	77.3	99.4	123.2	101.2	108.9	91.3
TNS3	7.5	6.5	5.6	6.2	4.8	6.7	5.8	6.9	7.1	5.4	4.9	6.1	7.7	7.6	5.3	6.2	6.7	6.4	6.2	6.7
TNXB	64.4	34.0	21.7	19.9	31.7	31.1	14.0	24.9	37.0	25.1	18.3	25.4	23.8	24.7	22.7	24.4	17.8	16.0	17.2	21.5
TOB1	17.6	13.2	16.9	14.5	10.3	10.0	17.1	15.2	8.6	16.5	11.4	8.8	18.6	16.6	21.7	13.3	17.6	10.2	17.4	15.8
TOB2	16.3	10.3	10.5	11.4	20.7	15.8	26.0	21.5	12.2	21.6	21.8	16.9	21.7	31.3	32.3	22.0	33.2	21.5	27.7	13.4
TOLLIP	8.9	8.4	7.6	8.4	6.7	7.9	10.5	10.1	6.8	7.3	7.5	8.7	10.4	10.3	7.5	8.2	9.8	8.7	8.8	7.1
TOM1	12.6	12.4	10.7	13.6	11.0	12.1	15.2	15.4	8.6	11.6	9.8	12.1	14.2	12.2	11.5	9.3	10.0	10.0	9.3	10.4
TOM1L2	42.4	54.0	54.8	50.6	35.6	42.2	51.8	57.0	34.0	39.1	41.9	40.5	27.4	51.9	41.5	43.5	49.7	45.0	44.8	46.6
TOMM20	16.3	17.5	18.7	18.2	13.0	15.0	19.3	16.6	9.3	13.3	13.4	14.9	19.9	18.9	18.8	14.5	17.8	14.9	19.0	19.8
TOMM22	14.9	14.7	16.8	17.1	14.7	17.7	18.6	18.0	11.0	17.4	13.7	17.4	15.3	18.7	16.0	13.4	14.0	14.6	15.4	16.7
TOMM34	5.3	5.7	4.4	5.7	4.5	4.3	4.8	6.0	4.4	5.9	5.2	6.7	6.0	7.3	4.0	5.1	6.7	7.1	5.8	4.7
TOMM40	9.0	9.5	9.9	10.5	9.4	10.3	12.2	9.9	9.2	11.0	9.2	11.0	11.1	12.4	10.9	8.8	9.6	8.2	8.0	9.2
TOMM40L	8.9	9.2	8.9	11.0	7.3	7.5	9.0	9.0	8.5	10.2	11.4	11.4	4.8	10.3	6.7	11.3	10.4	8.1	9.8	10.4
TOMM5	20.3	17.9	19.6	18.1	18.7	19.4	13.9	21.4	15.5	20.9	20.1	21.6	26.4	22.7	25.2	21.2	17.8	17.2	20.7	18.0
TOMM6	28.5	29.4	34.2	30.7	29.8	30.5	40.3	35.1	27.4	42.0	32.3	33.3	34.5	32.4	39.6	30.4	30.1	22.9	35.5	32.5
TOMM7	47.1	42.8	57.2	59.0	51.1	44.4	68.3	51.0	33.9	62.3	67.0	51.8	58.9	67.3	72.1	54.8	49.1	35.0	62.9	53.4
TOMM70A	14.6	15.3	16.1	15.3	9.8	11.4	14.7	14.7	9.4	11.7	12.6	16.8	10.6	15.2	12.2	16.9	15.7	13.2	14.1	18.5
TOP1	8.5	6.9	6.8	7.9	6.3	7.4	7.1	7.7	4.6	6.7	5.9	8.3	16.9	14.7	7.9	10.0	11.6	7.6	10.1	6.4
TOP2B	17.5	19.7	22.9	19.0	14.8	18.3	19.3	18.1	10.8	16.9	13.3	17.0	19.1	19.5	21.1	17.7	23.2	13.3	19.6	27.4
TOP3B	3.2	2.3	2.2	2.6	2.8	3.2	3.0	2.8	2.6	2.8	2.8	2.1	4.6	3.5	2.7	2.9	3.4	2.8	3.0	2.9
TOPBP1	2.7	2.7	2.2	2.4	2.0	2.0	2.5	2.6	1.6	2.1	2.2	2.5	4.2	2.6	2.7	2.9	2.7	2.3	3.1	3.4
TOPORS	3.0	3.1	2.7	2.5	2.9	2.6	3.1	2.6	1.2	2.5	2.4	2.6	5.2	3.5	3.0	3.5	4.0	2.6	4.1	3.5
TOR1A	7.2	6.3	5.8	5.5	4.8	5.5	4.9	6.2	5.4	5.0	4.7	6.7	8.5	6.9	5.6	5.1	6.0	7.1	6.5	5.8
TOR1AIP1	13.2	11.0	11.0	11.4	9.0	12.0	15.1	12.1	6.8	9.5	8.3	9.8	21.7	16.4	13.5	13.9	14.9	10.3	15.2	12.8
TOR1AIP2	1.9	1.6	2.0	1.6	1.9	1.8	2.2	2.0	1.1	1.1	1.5	1.7	2.4	2.9	2.5	3.1	3.1	1.7	2.6	2.1
TOR1B	3.3	2.9	1.9	2.1	2.3	3.3	3.5	3.2	2.1	2.4	2.2	2.5	4.1	3.3	2.4	2.5	3.0	2.3	2.8	2.6
TOR3A	3.9	3.7	2.5	3.0	3.2	2.9	2.9	3.1	2.4	3.8	2.5	4.1	4.8	3.5	2.4	2.5	3.3	2.9	3.0	2.6
TOX4	11.7	12.1	13.4	12.6	9.1	11.9	15.0	11.9	8.0	9.6	8.0	10.3	12.3	13.2	11.5	11.1	12.4	11.4	13.4	12.6

TP53	1.1	1.6	1.7	1.9	1.6	1.5	1.5	1.7	2.9	1.6	1.9	2.0	1.8	2.7	4.6	2.0	1.9	1.5	1.7	2.5	2.6	1.9	1.8	1.9	1.2	2.1	2.3	1.8	1.6	1.6	1.5	2.8	4.1	2.8	1.4	2.3	2.0	1.8	1.9	2.0
TP53BP1	5.4	4.5	4.5	4.3	4.0	4.1	3.3	5.9	6.2	4.6	5.4	4.2	5.1	6.3	3.8	4.3	5.2	4.7	6.1	6.8	5.1	4.8	4.5	5.4	3.9	5.7	4.2	4.2	3.2	2.6	3.9	4.8	5.2	5.9	5.4	3.9	5.5	3.4	4.0	5.6
TP53BP2	4.7	3.7	3.7	4.3	5.8	4.5	3.9	5.2	5.4	4.3	5.7	4.1	5.5	6.4	6.0	5.1	5.9	4.8	4.5	8.5	5.2	5.1	5.4	5.3	5.8	6.1	5.3	4.9	3.5	4.2	4.2	5.1	8.4	7.2	3.7	5.7	5.1	5.4	8.3	6.3
TP53I11	5.6	5.9	5.4	12.3	10.1	8.5	6.6	5.6	7.9	5.5	5.8	7.4	6.5	7.6	11.8	8.5	7.5	6.7	7.8	10.4	7.8	5.8	6.4	4.4	4.3	7.6	6.4	6.8	6.0	6.0	6.7	7.2	10.3	6.2	6.2	6.0	7.8	7.2	6.9	5.0
TP53I13	8.5	8.0	7.3	7.9	11.9	8.6	6.4	8.2	10.1	10.1	8.9	9.8	10.7	10.9	11.2	7.5	11.3	8.3	9.9	8.2	12.7	7.5	8.5	5.9	7.0	7.4	8.8	7.4	8.9	10.3	10.1	9.6	14.2	13.0	7.8	8.2	11.5	7.3	8.3	6.3
TP53I3	1.7	3.0	4.9	6.1	2.0	1.9	3.1	2.9	3.2	3.0	4.0	2.1	4.8	4.9	4.7	1.9	3.0	1.6	3.5	4.1	3.6	5.3	2.7	2.0	1.7	2.9	2.8	4.5	3.7	5.8	3.9	4.8	4.9	3.3	2.4	3.0	3.2	4.7	3.6	3.6
TP53INP1	3.0	3.3	1.9	1.9	5.7	2.8	3.1	2.9	5.3	3.4	4.1	4.8	4.5	3.2	2.6	4.3	3.3	4.8	3.4	6.6	3.2	4.4	3.2	4.3	4.8	2.4	3.7	2.9	2.9	2.0	3.2	2.4	7.6	3.4	2.3	5.0	3.9	3.0	6.4	6.5
TP53INP2	18.6	30.3	38.4	35.2	21.7	20.4	23.8	26.5	36.3	57.2	43.6	51.3	46.2	42.0	25.6	48.5	56.2	43.0	50.4	34.3	32.6	44.7	52.8	34.2	30.5	29.3	59.4	42.9	26.4	50.7	24.3	38.1	35.1	49.6	50.1	52.9	58.8	40.4	40.7	43.1
TPBG	1.3	0.9	0.7	1.1	1.1	1.2	0.5	1.0	1.7	1.7	0.9	0.8	1.6	1.6	3.1	2.1	1.3	1.4	1.0	2.5	1.7	1.5	1.0	0.7	1.0	2.0	1.0	1.1	1.4	1.3	0.7	2.6	3.9	3.2	1.2	1.7	2.3	2.0	2.0	0.6
TPCN1	19.5	37.8	23.8	15.6	32.6	32.2	17.1	26.9	26.4	25.2	32.6	29.3	25.2	21.7	27.1	24.9	22.9	29.0	21.9	33.9	25.5	30.0	32.4	28.5	19.6	25.6	24.9	27.9	22.6	23.8	22.0	21.5	21.6	27.2	23.3	19.2	24.3	17.6	25.5	25.0
TPD52	2.2	2.4	2.6	2.5	2.1	2.1	3.0	2.6	2.5	2.8	2.4	2.9	2.6	2.9	3.1	3.0	3.4	2.7	2.4	3.0	2.7	2.0	4.0	2.7	1.8	2.0	3.0	3.3	1.7	2.3	2.7	2.7	3.0	2.3	2.3	2.7	2.9	1.5	3.5	2.4
TPD52L1	12.2	24.1	19.8	29.0	16.0	17.2	15.9	15.1	18.4	16.5	20.3	9.5	21.3	38.5	29.1	21.1	41.1	25.2	18.1	22.5	23.8	23.7	20.3	23.6	15.7	16.8	30.5	23.8	19.8	33.6	29.4	33.3	33.2	34.8	18.7	28.2	36.8	44.6	34.4	21.9
TPD52L2	21.3	23.1	20.4	24.7	28.2	26.1	20.5	22.4	27.0	23.2	29.6	26.2	30.2	31.4	31.8	23.0	29.0	26.0	26.6	26.9	26.9	24.8	26.1	24.6	19.4	24.3	30.2	31.1	21.4	27.3	19.7	24.4	28.3	28.8	26.7	21.8	26.9	26.0	27.3	22.0
TPI1	226.3	237.8	244.4	220.0	237.5	214.9	214.1	197.5	240.3	246.6	263.5	293.0	227.7	242.8	192.1	242.3	216.3	233.9	256.7	230.4	247.4	225.4	266.4	259.9	161.5	197.3	243.2	239.1	171.6	272.4	200.6	253.1	147.9	226.5	238.5	206.2	220.9	197.0	221.1	237.8
TPM1	4268.2	5081.5	3976.4	5038.0	3223.8	3558.8	3914.4	3932.1	3633.3	3099.1	4108.3	4490.8	3938.2	4932.8	3279.1	4792.8	4801.5	3997.0	3600.1	3440.2	3417.8	3833.5	4962.2	4082.7	3117.8	3147.1	4442.7	3904.3	2452.5	5461.7	4609.6	4926.2	2416.8	3497.9	3717.4	3932.2	3810.2	4196.1	4534.4	3534.9
TPM2	313.0	325.1	459.0	438.2	283.7	329.4	354.1	282.9	244.8	218.6	381.7	236.9	329.4	330.1	405.2	243.8	233.9	183.0	261.9	260.1	196.4	216.5	298.1	167.0	283.1	214.6	353.6	385.0	277.7	411.5	402.0	372.8	212.8	240.9	245.4	313.8	194.5	325.5	424.6	220.7
TPM3	17.9	15.1	13.5	15.8	28.0	16.5	14.8	15.2	42.2	16.6	18.2	14.5	37.6	62.3	54.6	45.4	32.6	17.6	17.2	22.9	25.9	26.0	19.2	14.8	17.4	20.0	30.9	18.5	47.5	27.0	24.7	64.1	52.3	35.4	13.9	33.1	44.9	77.0	24.2	15.4
TPM4	28.5	18.2	33.6	34.4	45.6	25.1	24.8	32.1	41.1	29.8	23.7	18.6	38.7	40.1	75.8	28.1	37.0	32.4	33.9	55.2	45.9	27.6	24.9	20.1	27.6	64.3	20.0	28.3	37.8	39.6	26.3	42.2	104.4	53.1	27.1	30.6	27.3	32.0	31.4	25.4
TPMT	3.8	4.0	3.1	4.8	3.9	2.9	2.6	3.5	4.1	3.4	4.3	4.1	3.1	3.3	3.3	3.8	2.4	4.0	2.8	4.5	3.8	2.4	3.2	4.2	2.4	3.1	4.0	3.8	2.3	2.7	2.8	2.9	2.4	3.2	2.7	3.7	4.0	1.2	2.5	4.4
TPO	1.2	3.4	2.3	2.1	2.1	1.8	5.2	1.2	2.5	0.9	1.3	1.0	1.6	0.6	1.8	1.5	2.8	0.7	2.1	0.6	2.7	1.6	1.1	0.7	1.5	1.0	3.9	2.0	0.8	2.1	1.7	2.3	7.2	1.7	3.8	2.7	4.4	4.8	4.8	1.0
TPP1	14.7	13.1	13.4	14.1	16.1	15.3	12.0	19.0	19.2	15.5	13.8	12.7	20.4	17.3	21.8	17.6	18.1	20.4	17.6	17.2	16.1	14.2	17.1	16.0	9.5	14.5	16.7	16.8	10.5	12.6	10.2	14.9	25.4	17.6	11.9	14.1	15.9	13.2	16.4	15.8
TPP2	6.3	6.8	6.6	6.7	7.2	6.9	5.5	7.5	8.0	6.8	7.6	6.3	6.7	6.8	5.1	6.4	7.1	7.6	6.1	8.3	7.1	7.2	6.9	7.1	4.7	6.1	5.7	6.6	4.0	4.7	5.0	6.2	8.0	7.2	5.3	7.1	7.0	6.7	5.6	7.5
TPPP	8.8	5.0	4.7	4.4	3.5	4.4	4.7	5.3	4.1	3.7	5.9	4.4	2.5	2.9	2.9	5.3	2.1	4.2	3.3	5.0	3.9	4.5	4.0	3.7	1.8	3.1	4.5	3.6	2.0	2.0	2.0	3.4	1.2	3.6	3.0	2.3	1.7	1.5	3.7	5.4
TPPP3	7.6	3.8	3.9	5.1	11.3	13.8	4.3	8.0	19.9	10.7	6.7	10.9	7.8	4.9	18.9	4.8	6.9	5.7	9.6	20.4	10.3	9.0	4.3	7.0	13.0	11.3	2.7	7.1	10.2	6.1	4.4	8.3	6.6	9.4	5.2	4.4	3.7	3.3	6.3	6.2
TPR	9.4	7.9	7.5	6.0	7.5	7.3	5.7	8.4	11.4	7.9	8.6	6.0	7.6	8.0	6.2	6.7	10.3	9.9	8.3	11.8	8.1	7.2	8.8	7.1	7.2	7.9	7.3	7.8	5.2	5.8	5.6	6.9	10.5	10.6	8.3	9.5	11.0	6.1	7.7	9.9
TPRA1	4.1	5.2	5.6	4.9	5.0	4.8	4.2	4.7	6.1	5.3	5.4	5.4	5.8	7.0	7.8	5.0	4.5	5.0	5.3	6.4	5.7	4.4	4.3	4.0	6.0	4.8	5.7	4.8	4.6	6.9	5.1	5.5	9.2	6.3	5.6	5.4	6.4	4.4	4.9	4.4
TPRG1L	11.6	10.9	9.9	12.5	12.7	12.5	10.7	11.4	13.8	13.5	14.6	13.9	13.0	12.8	18.1	13.7	13.0	13.8	11.2	12.8	12.6	12.4	13.3	14.2	12.1	12.1	12.2	14.3	11.6	11.0	9.2	12.7	14.9	13.6	11.2	11.9	12.7	9.8	13.0	11.3
TPRKB	12.9	10.0	12.1	13.1	8.8	8.0	11.1	9.4	7.3	6.1	6.7	6.0	11.2	6.2	5.9	6.6	4.6	7.2	8.4	7.4	6.4	6.2	6.2	6.0	5.4	6.9	9.5	8.8	3.9	10.6	6.7	8.1	8.2	7.3	9.7	8.3	8.8	5.5	9.9	8.0
TPSAB1	1.6	1.3	3.4	1.1	2.6	6.2	3.1	2.8	3.8	0.9	1.7	0.4	2.0	1.5	12.1	2.0	1.7	1.5	3.0	2.9	1.7	1.9	0.8	0.8	1.0	0.9	2.5	5.7	0.4	3.8	1.7	2.1	17.4	3.7	5.0	6.7	2.6	2.8	4.5	1.8
TPSB2	1.8	1.4	3.4	1.6	2.6	2.6	2.8	3.6	2.8	1.0	3.2	0.5	1.1	0.7	2.7	3.0	2.4	2.2	2.7	3.8	2.5	0.7	1.4	1.5	2.2	1.4	3.0	4.7	0.5	3.4	0.4	5.2	13.8	3.2	5.5	5.2	2.9	1.2	2.8	1.3
TPST1	1.8	1.5	0.4	1.2	1.7	1.4	1.3	1.6	2.3	1.0	1.6	1.7	1.8	2.8	3.8	1.5	1.4	1.0	2.1	3.7	2.7	1.5	1.5	1.4	1.3	1.1	1.0	1.4	1.9	2.1	1.1	1.4	3.5	1.9	1.1	2.1	2.5	1.3	1.2	2.2
TPST2	7.0	9.7	5.6	7.1	12.2	10.0	7.8	7.0	6.4	5.9	4.5	5.2	6.4	9.2	8.4	7.6	7.8	6.2	6.3	6.3	8.5	5.6	4.3	6.2	5.9	5.8	8.1	5.7	4.0	6.2	6.6	7.2	14.3	8.8	8.3	6.4	10.3	11.2	8.4	4.9
TPT1	1579.1	1579.9	1292.9	1782.2	1872.2	1534.8	1421.1	1618.9	1386.8	1514.1	1360.0	1463.0	1582.8	1703.6	1571.0	1554.0	1623.3	1534.2	1437.6	1379.3	1746.4	1353.0	1604.2	1547.8	1093.1	1397.6	1519.6	1460.6	927.2	1634.8	1368.0	1471.3	2194.5	1444.8	1436.5	1344.8	1807.6	1330.1	1602.7	1630.2
TRA2A	9.8	7.4	9.9	8.5	8.6	6.6	7.1	6.9	10.7	10.8	9.2	11.6	13.8	11.9	15.0	11.3	10.0	10.5	10.8	15.3	13.8	9.9	11.2	9.9	13.4	12.4	11.9	14.9	10.1	14.0	12.6	12.1	22.8	18.0	16.4	14.6	13.8	9.0	15.4	10.4
TRA2B	4.8	6.3	7.0	7.5	6.3	6.6	6.4	6.7	8.1	7.1	6.5	8.1	8.2	8.6	10.8	7.2	6.6	7.1	6.7	9.0	8.8	6.1	6.8	6.9	6.9	8.9	8.0	9.2	6.4	10.1	6.8	9.0	16.8	12.7	8.4	9.9	9.7	7.7	8.9	7.9
TRABD	4.7	4.7	4.4	6.4	6.4	6.7	5.0	4.3	6.2	4.9	5.2	5.1	5.6	6.5	6.6	4.5	4.3	5.0	5.5	7.2	5.4	4.9	4.2	4.3	5.8	4.0	5.1	4.4	5.1	5.6	5.3	4.6	8.3	6.5	5.8	4.0	5.9	4.7	4.1	4.2
TRADD	1.3	1.8	1.5	1.8	2.0	2.4	1.5	1.4	2.4	1.8	2.3	1.6	2.7	3.3	3.5	1.6	2.5	1.4	1.4	3.0	3.0	1.6	1.4	1.3	1.9	1.9	2.8	1.6	3.5	2.7	2.3	2.4	4.5	2.7	1.1	1.7	2.3	2.7	2.0	1.0
TRAF2	1.8	1.8	1.6	1.4	2.3	1.4	1.1	1.7	2.9	2.5	1.9	2.7	2.6	2.9	2.5	1.7	1.9	1.7	2.1	2.7	2.4	1.7	2.0	2.0	1.3	1.7	1.9	2.2	3.2	2.1	2.5	2.6	3.0	2.0	2.4	1.3	2.4	2.2	1.2	1.6
TRAF3IP2	2.1	2.2	2.1	2.4	4.1	3.3	2.4	2.7	3.1	2.8	2.7	2.8	2.9	2.8	4.4	2.9	2.9	3.3	2.6	2.9	3.3	2.5	3.0	3.0	3.1	4.5	3.7	3.0	2.1	3.6	2.1	2.9	5.6	3.1	2.5	3.3	3.9	3.5	4.1	3.9
TRAF5	1.0	0.8	0.7	0.7	2.1	1.0	0.8	1.3	1.5	0.6	1.1	0.8	1.4	1.5	3.1	0.8	1.3	1.0	1.0	3.3	1.6	0.9	0.8	1.0	1.2	2.0	0.6	1.3	1.4	1.3	1.2	1.5	5.5	1.6	0.9	1.1	1.2	1.0	1.4	1.4
TRAF6	3.1	3.1	2.8	2.2	3.6	3.1	2.4	2.9	3.6	4.7	3.7	2.6	2.7	4.2	2.6	2.7	3.3	3.6	3.7	4.2	3.2	2.7	3.3	3.9	2.6	3.7	3.3	3.6	1.7	1.6	2.7	2.9	4.1	3.8	3.2	3.7	4.2	3.6	3.0	4.1
TRAF7	3.7	4.3	3.5	5.5	5.7	4.2	3.0	4.4	6.2	5.5	4.8	5.2	4.9	7.4	6.3	3.9	5.2	4.6	5.2	5.2	5.6	4.4	4.2	4.4	3.4	4.2	4.4	6.4	4.4	4.6	4.2	6.0	7.9	7.5	4.0	4.4	6.1	6.3	5.7	3.6
TRAFD1	4.2	5.9	5.4	5.8	7.8	6.6	4.5	4.3	8.2	7.3	8.6	7.7	10.2	10.0	8.9	5.8	7.2	7.8	7.1	7.6	6.5	8.3	7.6	6.7	5.0	6.3	10.9	8.8	6.1	7.5	8.4	10.7	8.5	7.7	5.9	17.5	9.8	19.9	9.7	7.8
TRAK1	31.2	22.6	25.8	20.3	27.4	22.8	20.4	26.0	33.0	28.8	39.4	30.3	27.2	22.0	26.6	31.3	23.9	28.5	24.7	27.4	27.3	31.0	36.4	34.4	19.7	26.6	36.6	36.6	20.9	19.5	25.8	34.3	18.1	30.0	27.8	25.2	33.3	24.7	28.3	38.3
TRAK2	31.0	34.5	25.3	24.3	36.4	32.1	24.4	36.8	36.1	25.4	31.0	23.2	35.3	44.4	26.2	32.2	44.5	41.9	29.6	36.8	25.7	25.8	29.9	32.0	24.0	26.7	33.6	31.0	26.7	19.5	21.8	31.9	33.3	44.1	31.2	35.0	34.7	26.4	34.0	35.5
TRAM1	16.6	16.0	14.3	19.4	20.0	15.9	14.9	18.4	18.4	14.5	14.0	14.4	21.1	17.5	26.0	16.9	17.0	18.5	15.0	25.4	20.8	15.9	16.3	14.5	9.2	18.2	14.9	17.4	14.3	11.3	13.0	17.9	26.5	20.8	13.4	17.2	22.2	18.9	18.6	18.3
TRAM2	4.5	2.9	3.0	3.6	3.6	2.9	2.2	3.3	4.6	2.9	3.1	2.9	3.9	4.0	6.0	2.7	3.6	3.2	3.4	5.1	3.8	3.4	3.6	3.5	1.6	3.1	3.1	3.0	3.0	1.7	2.6	2.8	7.7	3.2	1.9	3.0	3.7	3.6	3.3	4.0
TRAP1	29.3	29.5	27.8	30.1	28.2	27.8	26.3	27.3	29.3	29.2	33.2	35.7	31.8	27.8	25.1	26.9	27.5	31.8	30.1	28.7	32.8	31.5	30.3	34.8	25.1	26.2	28.9	37.9	22.3	33.9	24.6	27.5	20.0	29.3	30.6	27.8	25.3	27.7	26.0	30.3
TRAPPC1	30.5	33.2	26.7	30.4	46.5	30.9	38.2	36.3	36.3	30.1	32.1	35.6	41.1	42.9	38.1	39.0	34.5	32.2	30.8	32.0	35.8	34.1	34.6	38.2	35.6	29.4	32.5	38.2	31.9	45.4	35.9	39.5	34.4	33.3	31.8	32.8	36.7	32.1	32.3	30.7
TRAPPC10	4.6	4.5	4.3	4.8	4.8	4.1	3.2	4.3	5.6	4.5	4.1	4.5	4.2	5.4	3.8	4.4	4.9	4.6	4.3	5.5	5.0	4.2	4.5	4.3	3.3	5.1	4.6	4.5	3.0	3.0	3.4	4.5	7.3	5.6	3.7	4.8	6.3	4.6	4.9	4.8
TRAPPC2L	14.8	16.0	14.0	12.3	15.4	13.0	13.1	10.7	12.6	13.1	15.3	19.7	13.0	15.9	19.7	12.9	15.9	11.9	16.0	13.3	13.4	12.2	16.9	13.8	12.6	14.3	17.0	21.7	13.1	18.4	13.4	14.1	13.4	12.0	18.3	11.7	13.1	7.4	14.1	10.2
TRAPPC2P1	5.3	3.9	4.7	4.5	6.0	4.2	4.8	3.1	4.2	5.6	5.3	4.7	5.0	5.7	5.8	4.6	5.0	4.2	5.1	4.5	3.5	3.6	4.4	4.6	5.4	6.0	5.1	3.4	2.8	6.8	4.5	4.1	6.5	5.5	7.6	5.1	7.1	3.5	4.0	4.6
TRAPPC3	12.4	12.3	12.2	16.4	17.8	12.4	11.7	13.9	14.7	11.4	13.5	12.1	16.8	16.5	17.9	10.9	15.5	12.4	11.8	13.3	13.8	10.8	10.5	12.7	12.4	10.9	14.6	12.3	12.3	13.5	12.0	13.7	16.1	14.9	12.1	10.7	12.1	11.5	13.8	9.8
TRAPPC4	7.9	11.0	9.0	9.1	8.4	9.6	6.7	6.3	9.6	9.4	10.7	11.0	12.4	12.5	10.8	8.6	10.4	10.2	9.8	12.0	11.3	11.0	10.1	9.6	8.5	8.0	9.6	11.4	9.0	11.4	9.0	8.7	9.6	11.2	9.3	8.5	10.1	9.8	9.7	7.6
TRAPPC5	18.2	21.7	23.5	20.4	27.6	21.4	24.0	22.7	23.7	19.6	19.8	23.3	21.5	20.7	20.3	19.2	14.1	18.1	27.8	21.0	23.9	18.9	22.5	18.3	23.7	15.0	24.8	23.2	20.7	26.1	25.6	27.1	17.5	16.4	25.9	21.6	22.8	21.4	24.2	19.3
TRAPPC6A	2.1	3.1	1.8	1.6	4.1	2.8	3.7	2.8	4.9	3.6	3.0	3.2	3.3	5.1	4.4	4.4	2.7	3.5	3.3	4.7	3.3	3.1	3.0	3.1	3.5	3.2	3.3	3.2	3.0	5.6	3.9	4.9	5.1	3.1	4.5	3.7	3.9	5.2	3.8	2.4
TRAPPC6B	2.2	3.8	4.0	3.9	4.1	3.0	3.2	3.4	4.3	3.6	3.8	2.8	3.1	3.0	2.8	4.2	3.7	3.9	3.4	4.2	3.0	3.8	4.2	4.0	2.9	4.2	3.8	4.3	2.3	2.0	3.4	3.6	4.2	4.6	3.3	3.4	4.8	3.8	5.0	4.7
TRAPPC8	5.6	5.4	5.3	4.5	5.6	4.9	3.7	5.9	6.1	4.0	5.4	3.6	4.6	5.9	3.0	4.3	4.9	4.8	5.0	5.5	4.4	4.5	5.0	4.4	2.9	4.1	3.8	4.0	2.8	3.3	3.8	4.1	5.2	5.6	3.7	5.0	5.4	4.3	4.7	5.4
TRAPPC9	3.7	4.3	4.0	3.8	4.3	4.4	3.0	4.3	4.2	3.5	4.4	4.4	4.6	5.1	4.6	4.9	3.3	4.0	3.1	4.3	4.7	3.8	4.7	5.6	4.1	4.1	5.1	4.2	3.6	4.3	3.5	3.8	3.3	4.5	3.4	3.8	5.0	3.5	4.6	4.7
TRDN	23.7	32.5	17.4	27.4	17.2	14.4	19.3	25.3	22.6	18.4	19.1	16.1	19.0	32.3	21.0	18.0	28.5	21.9	17.5	22.5	15.1	16.8	21.8	18.1	19.7	19.7	23.6	20.0	13.8	18.9	36.0	26.0	17.8	27.0	19.9	24.1	25.6	25.0	35.1	20.8
TREX1	2.3	1.3	1.5	1.4	2.8	3.3	1.0	1.6	3.1	0.9	1.7	2.1	4.6	1.5	3.5	1.4	2.0	1.9	2.9	4.4	2.4	1.5	1.5	3.3	1.5	2.0	0.8	1.8	3.0	1.6	1.2	2.4	3.0	1.1	1.5	2.0	1.9	1.5	1.7	1.8
TRIAP1	3.6	5.2	5.7	5.9	4.8	5.1	4.2	4.6	4.6	3.4	5.8	4.1	6.3	4.3	4.8	4.1	3.6	4.7	4.7	5.6	5.2	4.6	3.6	3.6	3.2	3.0	5.2	5.2	4.3	5.3	4.0	4.4	4.9	5.4	4.0	4.2	5.3	4.1	3.9	4.9
TRIB1	2.1	5.0	2.3	4.0	3.9	1.8	5.7	2.2	5.4	6.2	2.7	4.1	3.5	10.5	5.2	2.3	6.8	6.7	4.8	4.7	5.0	4.0	3.8	4.5	7.0	6.6	6.1	9.0	3.2	10.0	3.6	7.8	18.1	9.7	6.6	10.7	13.9	11.7	10.6	5.4
TRIB2	8.8	12.2	8.7	9.0	13.0	9.1	8.8	9.1	11.5	7.6	8.8	10.5	12.8	13.4	13.1	9.0	9.9	14.5	11.5	11.8	14.3	8.5	10.1	10.1	9.7	10.4	8.7	8.9	9.0	4.9	7.5	9.7	14.0	10.9	7.4	9.4	9.7	7.6	15.0	10.2
TRIM16	3.3	2.4	1.4	2.6	3.5	3.5	2.2	2.2	4.0	2.0	3.1	2.6	3.1	4.1	3.3	2.4	2.2	3.6	2.3	4.8	2.9	3.0	2.4	3.4	3.1	2.5	2.0	1.6	2.3	2.5	5.9	4.3	2.7	3.5	4.8	2.4	3.6	2.4	2.8	2.8
TRIM16L	1.6	1.3	1.2	2.4	4.3	2.5	1.8	1.5	3.3	1.5	2.3	1.7	2.8	4.9	3.1	2.8	1.6	4.5	2.1	4.8	1.2	3.5	1.4	1.9	4.5	2.4	1.8	1.2	2.0	2.1	4.8	3.6	2.0	3.0	6.0	3.0	0.9	2.1	1.7	1.8
TRIM2	2.5	2.3	1.8	1.6	2.8	2.6	1.9	3.1	3.6	2.0	2.3	2.0	2.2	2.4	2.2	1.8	2.4	2.9	2.4	5.1	2.0	2.1	2.7	2.6	1.6	1.9	1.3	2.1	1.6	1.5	2.4	1.5	1.6	2.1	1.9	3.3	2.4	1.5	2.1	3.2
TRIM21	3.5	3.1	2.1	3.4	4.3	2.6	2.5	3.2	4.9	3.3	3.8	3.6	9.5	3.0	7.0	2.8	3.0	2.8	3.7	6.0	4.5	3.1	3.8	5.7	3.1	1.4	4.0	2.4	4.5	4.6	3.1	3.2	5.0	3.6	2.4	3.2	3.7	2.6	3.8	4.2
TRIM22	3.9	5.0	4.2	4.1	5.6	5.0	4.3	5.2	7.8	4.0	5.8	3.9	21.2	3.9	11.9	3.3	4.8	5.4	6.4	12.0	6.1	4.8	4.7	9.8	5.2	9.9	7.9	7.5	7.1	7.8	7.2	6.6	29.5	15.0	7.5	7.7	11.3	3.6	11.2	6.6
TRIM23	2.8	3.1	2.5	2.4	3.6	2.6	2.4	3.2	3.9	2.9	3.6	2.9	3.5	3.7	2.6	3.7	3.2	3.5	3.6	4.4	3.2	3.2	3.5	3.3	3.0	3.4	4.9	3.7	2.1	1.7	3.1	2.9	4.7	3.5	2.5	3.6	5.5	2.9	4.6	4.0
TRIM24	4.1	4.7	3.2	3.5	4.2	4.5	3.9	4.3	4.2	3.1	4.4	3.9	4.4	5.2	3.6	4.0	3.6	5.4	3.4	5.8	3.6	4.0	3.6	4.3	2.7	3.4	4.4	4.8	2.4	2.3	2.7	3.7	3.8	4.3	2.6	3.9	4.3	3.4	4.0	5.1
TRIM25	2.6	2.9	1.8	2.6	3.4	2.3	2.7	2.8	4.0	2.2	2.9	2.8	5.0	1.7	3.3	1.8	2.0	2.8	2.5	4.1	3.7	2.6	2.9	4.0	0.8	2.4	1.7	2.0	1.4	0.6	2.3	1.7	3.4	2.0	1.7	2.5	1.9	1.0	2.2	3.4
TRIM26	3.2	4.2	3.9	4.3	4.3	3.6	3.4	3.8	5.9	4.8	4.5	4.3	5.9	4.9	7.6	4.8	4.4	4.8	5.0	5.3	5.3	4.6	4.1	5.0	3.6	5.1	5.3	5.2	4.1	5.0	3.7	4.3	7.4	5.2	3.5	5.2	4.3	4.0	4.9	4.3
TRIM27	4.0	5.2	4.5	6.1	6.0	5.6	4.1	4.0	7.3	5.9	6.0	6.7	6.7	7.1	6.9	5.1	5.0	5.3	4.6	7.5	7.2	6.0	6.6	6.0	5.1	5.4	5.5	5.5	5.4	7.1	4.5	5.3	10.0	7.7	3.9	4.9	6.6	5.7	6.3	4.9
TRIM28	18.7	18.4	15.8	18.9	17.9	17.8	14.8	17.0	21.8	19.6	19.4	20.2	20.3	23.4	25.2	18.7	18.2	17.9	18.7	20.4	21.4	17.5	21.2	22.5	18.0	20.2	22.2	21.8	14.4	23.7	18.8	19.9	30.2	22.1	20.2	16.0	21.1	16.1	20.9	17.8
TRIM3	1.9	2.7	2.0	2.3	3.1	3.0	2.1	3.0	2.6	1.9	1.9	2.4	2.3	2.6	4.1	2.2	1.9	2.2	2.4	3.8	3.0	2.2	2.1	2.3	2.1	3.0	2.4	2.4	2.3	1.8	2.0	2.4	3.8	3.3	2.4	2.5	2.5	2.0	2.6	2.0
TRIM32	2.4	2.3	2.4	2.1	2.3	2.6	2.1	2.7	2.8	2.0	2.4	2.3	2.4	2.7	3.1	2.4	2.0	2.5	2.2	3.5	2.9	2.6	2.6	2.7	2.1	2.0	3.4	3.3	1.8	2.1	2.1	2.5	2.5	2.9	1.9	2.3	3.5	2.5	2.7	3.0
TRIM33	2.6	2.9	2.7	2.2	2.2	2.6	2.3	2.8	3.5	2.1	2.7	2.0	2.2	2.8	2.1	2.3	3.0	3.2	3.0	3.8	2.8	2.5	3.1	2.8	1.9	2.9	2.3	2.8	1.6	1.9	2.2	2.4	3.4	3.0	2.5	2.7	3.3	1.8	2.5	3.4
TRIM37	4.2	4.6	5.2	5.5	4.5	3.4	4.3	4.5	4.7	4.2	4.4	3.4	4.2	4.5	3.4	4.4	3.5	4.4	3.8	5.2	3.9	4.7	3.5	3.8	2.7	3.6	3.7	4.1	2.8	3.0	3.1	3.8	3.9	4.2	3.1	4.3	4.5	3.7	3.9	4.5
TRIM38	1.3	1.3	1.1	1.2	2.1	1.7	1.6	1.4	2.3	1.6	1.2	1.3	2.5	1.9	2.4	1.6	1.9	2.1	2.1	3.4	2.0	1.7	1.6	1.9	1.1	2.7	0.8	1.8	1.7	1.4	1.3	1.5	4.9	2.3	1.6	1.9	1.9	1.0	2.0	2.3
TRIM39	2.2	2.2	2.1	2.4	2.4	2.6	2.2	1.9	2.8	2.8	2.6	2.8	2.9	3.7	3.4	2.6	2.7	2.2	2.5	3.6	2.3	2.4	3.0	2.8	2.5	2.9	3.3	2.7	1.7	2.9	2.3	2.6	3.7	2.5	2.7	2.5	3.2	1.9	2.9	2.9
TRIM4	1.5	1.6	1.0	1.1	1.5	1.6	1.4	1.5	2.6	1.7	1.8	1.4	2.6	1.9	3.6	2.0	1.3	1.6	2.1	3.2	2.4	1.6	1.8	1.7	1.7	2.3	1.7	1.8	1.6	1.7	1.5	1.6	5.4	2.7	1.6	2.8	2.9	1.9	3.2	2.1
TRIM41	5.5	5.2	4.8	4.5	6.4	6.0	4.4	5.3	8.0	8.3	7.7	9.0	8.4	9.8	9.0	7.9	10.3	7.2	7.6	9.4	6.8	6.5	6.9	6.0	5.7	7.0	8.1	9.5	8.3	7.8	5.3	7.8	8.7	9.5	5.7	7.9	8.0	7.9	7.5	5.3
TRIM44	8.0	6.8	7.8	7.9	7.4	6.3	6.4	7.9	9.5	8.8	9.4	6.4	6.6	9.6	6.2	8.1	10.2	9.8	8.2	9.0	8.3	8.5	8.2	7.7	4.1	6.7	7.9	8.0	4.7	4.3	6.4	8.8	10.8	10.6	5.9	9.9	9.0	9.1	8.1	8.9
TRIM45	3.0	3.4	2.2	2.1	3.2	4.0	2.3	2.8	4.4	2.8	6.0	4.5	4.4	4.1	3.6	3.0	2.7	4.4	3.8	6.1	2.4	3.6	4.2	5.1	4.1	4.0	3.7	4.6	3.9	4.2	3.7	2.6	1.7	3.4	3.4	1.5	3.3	1.3	2.5	4.6
TRIM47	3.9	3.7	2.5	5.4	6.8	4.2	2.4	4.3	7.2	3.5	4.1	2.7	4.6	6.2	9.7	2.5	3.7	4.4	2.6	5.0	4.7	3.3	3.1	3.1	2.8	3.8	2.6	3.0	7.2	1.8	2.5	3.7	4.6	5.3	3.8	2.5	2.8	3.1	3.9	2.2
TRIM52	3.2	2.8	2.6	2.6	3.4	1.8	1.7	2.2	3.3	3.1	3.2	3.4	3.4	2.5	2.8	2.0	3.3	3.8	2.8	4.0	3.7	2.7	3.0	3.6	2.4	3.7	2.1	2.8	2.1	1.3	3.6	3.1	3.4	3.9	4.0	3.0	3.6	1.5	3.7	3.4
TRIM54	72.0	82.6	85.0	72.3	93.9	92.5	69.1	60.5	79.2	75.2	82.7	82.4	74.8	70.5	60.0	78.8	72.4	71.6	66.4	65.3	52.7	68.4	83.1	80.3	77.2	62.4	95.0	98.5	50.8	84.2	109.7	92.7	44.6	76.8	93.8	81.5	76.4	93.4	90.8	79.3
TRIM55	16.7	19.2	16.9	13.1	14.3	12.1	11.5	19.8	16.5	17.8	16.7	15.5	13.0	17.2	11.8	12.7	17.1	17.7	12.9	12.8	14.4	17.5	16.7	18.6	11.1	13.7	14.9	18.6	12.2	14.1	13.9	19.1	6.7	15.9	13.6	15.4	14.4	20.0	11.3	17.6
TRIM56	2.8	2.5	2.3	2.6	3.5	3.6	2.1	2.4	3.7	2.0	3.9	2.8	2.6	2.4	2.7	3.1	3.2	2.6	2.6	4.9	3.3	2.6	2.4	3.1	2.5	2.9	3.5	3.0	1.9	1.7	2.5	3.7	5.3	5.5	3.9	3.7	3.8	4.3	4.3	3.8
TRIM63	87.6	93.2	92.1	144.5	116.9	81.9	78.6	54.4	87.6	111.7	85.1	100.7	86.5	89.2	55.3	103.3	86.6	92.9	92.8	71.7	73.5	95.2	91.2	80.0	131.3	166.5	115.3	98.3	57.0	119.1	78.1	101.9	57.6	107.7	115.8	88.2	96.3	88.5	164.9	87.9
TRIM7	1.5	2.7	1.7	3.1	1.1	1.5	1.4	2.4	2.5	1.6	2.7	1.3	2.9	1.0	2.1	1.6	1.1	1.5	1.7	3.0	1.8	2.1	1.4	1.1	1.2	2.9	3.3	2.5	1.6	3.3	2.6	1.8	1.5	2.2	3.3	1.3	4.3	1.0	2.5	1.8
TRIM8	12.9	15.7	11.7	22.1	21.7	17.2	14.7	16.2	22.4	15.0	18.1	14.4	18.5	21.4	28.3	16.6	17.4	14.5	14.3	19.6	22.4	15.8	14.4	14.5	15.2	15.9	16.8	16.3	15.7	13.9	11.6	17.7	21.6	19.3	13.2	16.4	15.9	17.5	19.8	15.6
TRIO	5.4	5.5	5.1	4.8	7.8	5.0	4.5	6.4	7.6	5.3	6.8	4.6	4.8	6.7	5.1	5.5	5.9	7.0	5.9	7.2	7.1	6.1	5.8	5.6	4.5	6.7	6.7	7.2	3.6	3.5	6.2	8.9	9.1	9.2	6.9	8.8	11.4	10.7	6.8	6.7
TRIOBP	16.1	13.8	15.4	18.7	18.6	12.9	15.4	16.0	14.7	12.4	17.2	11.7	13.5	19.4	18.5	11.3	14.8	14.5	14.9	15.4	11.9	14.7	12.0	12.0	9.3	10.5	16.6	18.4	13.6	12.1	12.9	14.0	14.0	18.3	15.3	13.2	16.5	18.9	14.6	12.5
TRIP10	37.8	37.9	28.2	34.9	27.0	27.6	24.0	32.5	29.7	30.7	23.7	23.8	32.5	36.2	35.5	31.3	31.5	27.5	19.0	27.1	36.7	26.9	28.6	23.3	22.0	34.2	32.7	35.5	29.9	29.5	33.9	36.4	36.6	36.4	19.1	29.2	36.8	29.7	34.3	28.0
TRIP11	3.7	3.2	3.2	2.6	2.3	2.0	2.2	3.4	4.6	3.1	3.4	2.0	2.6	3.1	1.9	2.3	3.1	3.4	3.7	4.5	2.3	2.6	2.8	2.7	2.3	2.4	2.0	2.5	1.4	1.8	1.9	2.9	3.2	3.5	2.8	3.4	3.9	2.6	2.2	3.6
TRIP12	15.8	14.1	14.8	12.9	13.6	13.3	11.2	14.7	17.6	14.1	14.9	11.4	13.1	17.5	8.1	12.7	16.4	17.0	13.7	17.3	12.7	13.5	13.6	14.1	9.3	11.9	13.1	11.0	7.2	10.0	9.6	12.2	15.6	19.0	12.9	17.2	18.4	13.8	13.6	16.1
TRIP4	4.5	4.0	3.4	4.6	4.2	3.9	4.4	3.4	6.1	3.7	4.9	5.0	5.5	6.2	6.3	5.6	5.0	4.5	3.8	5.3	4.1	4.6	6.1	4.3	3.9	4.3	4.2	4.4	3.7	3.9	3.3	5.3	5.9	6.1	4.0	4.2	4.1	3.3	5.8	4.9
TRIP6	4.4	4.9	4.8	5.3	5.6	3.6	3.1	4.3	7.4	4.1	5.9	6.7	8.3	8.6	13.3	5.7	5.4	3.4	6.7	9.9	7.1	6.1	4.8	6.0	6.4	8.1	4.6	6.6	6.8	7.3	6.4	7.5	10.7	7.3	8.0	5.9	5.1	6.9	6.4	5.3
TRIT1	5.2	5.1	4.0	7.5	4.6	5.2	5.8	4.4	7.1	5.1	5.3	3.8	5.3	6.9	4.1	5.4	4.9	4.7	5.0	4.8	5.4	5.9	4.9	5.5	4.6	3.8	5.9	6.1	3.7	5.2	5.8	6.7	4.1	4.8	4.4	5.9	5.9	5.3	6.5	5.7
TRMT1	4.6	5.1	4.5	6.7	5.2	5.0	4.5	5.0	5.9	4.1	5.6	5.8	5.3	7.3	6.6	5.2	5.0	5.2	5.4	5.9	5.2	4.5	4.8	4.5	5.7	5.5	4.8	6.7	5.5	7.3	6.9	6.5	9.4	6.6	5.2	6.1	5.4	5.5	5.8	4.5
TRMT11	2.6	2.9	4.4	3.1	3.1	2.9	3.3	2.5	3.5	2.3	3.3	3.2	2.7	4.3	3.8	3.5	3.0	3.1	2.8	4.5	3.1	3.0	2.6	3.2	3.8	2.3	4.1	4.1	2.4	3.4	3.9	3.4	4.1	2.9	2.7	3.6	3.4	2.7	3.4	3.8
TRMT112	32.0	30.7	27.1	26.0	38.5	22.4	30.7	28.6	32.5	28.2	29.1	31.1	34.7	28.7	56.9	31.6	40.9	31.0	36.4	38.7	35.2	28.0	27.2	31.9	34.1	36.6	28.1	38.1	29.1	32.9	42.2	34.5	58.7	37.4	39.4	35.6	35.0	24.8	39.2	27.7
TRMT1L	4.9	5.1	4.3	4.3	5.1	5.5	4.2	4.9	5.5	5.0	6.3	5.4	6.7	6.6	3.9	5.6	4.3	6.5	4.9	6.6	5.3	5.3	6.0	5.8	3.7	3.9	5.9	5.4	3.4	3.4	3.9	4.3	4.3	5.5	3.8	5.1	5.8	3.8	5.4	5.7
TRMT2A	3.3	3.4	2.9	3.3	4.4	3.5	3.2	3.2	3.6	2.6	3.2	4.1	3.5	3.4	4.3	2.6	3.3	3.5	3.1	3.7	4.7	2.7	3.5	3.2	3.3	3.2	2.8	4.8	3.2	4.5	3.3	3.5	5.4	3.9	3.2	3.0	4.0	3.0	3.1	2.9
TRMT2B	3.7	3.8	3.3	3.1	4.5	3.4	3.0	4.1	2.6	2.9	3.5	2.9	3.0	3.1	3.2	3.7	2.3	3.0	2.9	3.3	2.3	3.4	2.7	3.5	1.5	2.4	3.7	2.9	2.0	2.1	2.5	2.8	2.9	3.2	3.6	3.0	3.1	2.8	3.1	4.2
TRMT6	3.1	3.5	3.8	4.5	2.8	3.1	3.0	3.0	4.3	3.4	4.4	3.7	3.7	6.3	4.0	3.2	5.0	3.3	2.9	3.8	3.6	3.5	3.4	3.4	2.1	3.3	3.6	3.6	3.1	3.6	3.0	4.3	3.6	3.8	2.7	3.1	3.5	3.9	4.0	3.5
TRMT61A	1.4	1.5	1.4	2.2	1.7	1.4	1.3	1.3	1.9	1.3	1.7	1.8	1.5	2.1	3.1	1.4	1.7	1.0	1.6	1.9	2.0	1.2	1.6	1.1	1.7	1.9	1.3	2.1	1.4	2.3	1.0	1.9	3.2	2.5	1.4	1.8	1.7	1.7	1.8	1.2
TRMT61B	5.5	5.0	4.5	5.0	5.0	4.7	4.4	6.4	4.3	3.6	4.1	3.7	4.6	5.9	3.1	4.3	3.2	4.0	2.3	4.3	2.9	5.5	3.5	3.6	3.3	4.2	3.4	4.4	3.5	4.6	3.3	4.8	3.7	4.3	3.9	4.4	3.0	3.7	4.5	5.0
TRMU	5.9	6.4	6.6	6.5	7.0	4.9	5.5	6.0	5.3	4.5	5.4	5.2	6.0	5.3	4.7	4.1	3.9	4.8	3.8	4.6	4.0	4.7	4.0	4.5	4.5	3.4	4.4	5.1	4.4	5.0	5.5	4.6	3.8	5.2	5.1	4.3	4.5	3.9	4.7	4.1
TRNAU1AP	2.5	2.5	2.9	4.1	2.6	3.4	3.4	2.8	3.3	2.0	3.1	3.2	4.4	4.3	3.6	2.9	3.2	3.0	3.1	3.1	2.8	3.1	2.4	2.8	2.8	2.0	2.6	2.8	3.1	3.9	2.6	2.4	4.0	3.1	3.5	3.0	3.6	3.1	3.6	2.5
TRNP1	4.0	3.7	3.4	5.1	5.7	4.6	3.8	4.0	4.6	4.3	4.3	4.4	5.6	9.9	4.8	5.3	5.9	4.7	4.1	5.3	4.7	4.9	6.2	4.6	4.2	4.4	4.0	4.8	6.0	4.3	3.5	4.5	3.1	5.3	3.0	4.0	6.0	4.4	4.6	2.8
TRNT1	2.4	3.5	2.1	2.8	2.5	2.0	2.4	2.9	3.4	2.6	2.6	2.6	3.6	2.9	2.3	2.6	2.8	3.2	2.3	3.8	3.1	3.1	2.6	3.0	2.3	2.6	3.1	3.2	2.0	2.6	2.5	2.9	4.0	3.2	2.8	3.6	3.3	2.9	3.8	3.6
TROVE2	2.7	2.3	2.7	1.9	2.0	2.4	1.7	2.6	3.1	1.7	2.5	1.5	2.2	2.4	1.8	2.0	2.8	2.5	2.2	3.1	2.1	2.2	2.1	2.1	2.0	2.3	2.3	2.5	0.9	2.2	2.0	2.4	3.1	3.0	1.9	2.4	3.0	1.9	2.4	3.1
TRPC1	2.3	3.2	2.8	2.4	4.0	3.1	2.0	3.0	3.9	3.0	3.3	3.7	3.1	5.7	3.2	2.4	3.8	4.1	4.0	6.4	3.8	3.7	3.5	4.3	4.2	4.2	3.6	2.5	2.6	2.4	2.9	2.9	4.0	5.7	3.6	4.6	5.4	3.2	4.1	3.3
TRPC4AP	10.3	11.3	9.7	11.1	13.8	10.0	9.9	10.8	12.5	11.7	13.0	13.0	13.7	17.6	15.8	11.9	11.6	11.1	12.1	12.7	15.4	12.5	12.3	13.0	8.9	12.8	14.1	12.4	9.0	13.2	12.2	12.5	17.4	13.9	10.9	14.3	15.4	15.4	13.9	12.1
TRPM4	4.4	6.4	5.7	4.6	7.4	6.7	4.7	5.7	7.0	3.8	7.4	8.4	6.3	10.1	8.1	5.5	6.4	6.1	3.9	7.9	6.4	5.6	5.6	5.5	4.8	5.9	5.9	6.5	5.3	6.2	10.7	6.7	5.9	6.3	3.3	5.8	6.2	5.3	5.1	5.1
TRPM7	4.8	4.9	4.0	4.4	4.7	3.9	4.2	5.8	4.3	2.8	4.0	3.4	2.8	3.5	2.0	3.0	3.2	3.2	4.5	4.4	3.0	2.8	3.6	3.1	3.4	3.5	4.1	2.8	1.7	2.1	2.5	2.6	4.2	4.4	4.4	3.9	5.3	2.5	4.9	4.5
TRPT1	13.6	15.9	12.9	11.7	17.9	11.6	13.9	14.7	11.6	12.4	14.0	17.3	12.9	15.0	10.8	11.9	12.6	10.5	16.0	16.8	15.8	17.2	10.7	15.4	10.1	12.1	12.4	12.8	13.9	14.7	14.4	11.5	10.9	14.6	16.1	14.0	13.7	13.0	10.3	11.0
TRPV2	2.3	1.6	2.0	1.9	2.6	2.4	1.4	1.5	2.5	1.3	1.7	1.7	2.0	2.3	4.0	2.1	1.8	1.7	2.1	3.3	2.1	1.6	1.4	1.8	1.6	2.2	2.0	1.0	1.9	2.7	2.3	2.6	4.2	2.6	2.1	2.3	2.5	1.9	2.2	1.5
TRRAP	2.9	2.7	2.7	2.3	3.1	2.4	1.9	3.2	4.2	3.4	3.3	2.6	2.7	3.4	2.6	2.7	3.4	3.6	3.4	4.1	3.1	3.3	3.0	3.2	1.9	2.8	2.8	2.9	1.9	1.5	2.2	3.0	4.3	4.0	2.9	3.1	4.4	2.4	2.6	3.6
TRUB1	3.4	3.6	4.0	2.6	3.4	3.6	3.1	4.9	6.6	3.7	5.5	4.9	4.9	5.1	4.0	5.8	4.8	5.9	4.5	6.1	4.8	5.4	6.5	6.1	3.9	4.1	6.1	7.0	4.0	4.3	7.5	6.7	3.6	5.7	3.5	4.8	6.8	6.1	6.2	6.5
TRUB2	11.5	13.3	12.2	15.0	14.1	12.8	14.5	16.3	13.7	13.1	15.1	14.1	14.2	14.4	13.0	13.0	11.6	15.6	7.3	14.6	14.7	14.3	13.3	14.4	11.7	11.1	15.0	15.2	11.1	14.6	12.7	13.2	8.7	13.7	7.3	13.6	12.5	12.6	11.9	12.9
TSC1	5.8	6.2	4.2	3.9	7.2	5.7	4.4	6.5	7.0	5.3	6.3	6.1	5.6	6.5	4.0	5.5	5.7	7.1	5.7	6.6	5.9	6.2	6.8	7.0	5.2	6.8	7.5	7.4	4.3	5.0	5.8	5.2	7.9	7.5	5.7	7.1	6.4	4.5	8.8	8.3
TSC2	8.0	8.7	7.8	8.2	9.5	9.3	7.2	9.3	10.1	7.7	9.0	10.8	9.1	8.5	11.5	8.9	10.4	8.9	9.3	10.4	9.7	9.2	8.9	9.3	7.4	9.3	11.5	11.3	7.7	8.2	8.1	8.1	12.5	10.9	8.8	8.3	10.6	9.2	9.9	9.6
TSC22D1	97.3	49.2	38.6	66.3	93.5	87.1	68.4	76.0	86.4	66.5	72.5	64.9	63.3	59.9	71.1	121.0	34.3	62.6	64.5	85.9	47.6	73.9	40.5	57.2	124.5	150.9	79.6	82.1	65.2	118.0	93.7	73.9	157.1	103.5	116.2	84.2	85.0	47.1	103.2	85.3
TSC22D2	4.1	4.1	4.9	3.0	3.3	3.1	3.1	3.1	5.8	6.3	5.0	4.4	4.9	8.0	5.2	5.0	6.3	6.1	6.3	4.9	6.3	5.7	8.7	4.5	4.2	6.7	6.1	7.3	2.4	5.1	7.3	9.0	10.3	8.2	5.9	11.5	9.8	6.7	8.3	7.1
TSC22D3	11.7	24.0	34.9	19.2	45.5	33.7	32.2	25.9	28.3	20.7	14.5	18.3	35.0	44.5	77.9	37.3	32.8	27.0	30.1	28.4	38.1	18.5	16.4	12.7	64.4	148.6	111.9	55.7	67.3	100.3	43.9	55.4	292.8	116.6	71.1	74.3	91.1	64.7	120.6	43.8
TSC22D4	9.5	17.0	8.4	8.5	9.2	15.0	10.4	12.1	10.5	8.9	15.7	13.7	9.7	11.0	12.2	9.9	8.4	10.0	9.6	11.6	10.4	9.5	10.2	10.5	13.6	14.2	14.6	13.7	10.7	17.0	14.4	13.3	13.5	22.3	12.9	12.0	17.4	14.4	18.3	7.4
TSEN15	3.7	5.6	6.1	4.8	6.4	6.1	4.3	5.3	5.4	6.1	5.4	5.6	6.6	8.7	5.9	5.2	5.8	5.6	4.5	6.7	6.2	6.1	5.7	4.7	3.7	5.8	4.6	6.9	4.2	5.2	4.5	6.2	4.4	5.2	5.4	4.3	6.5	4.0	4.0	4.1
TSEN2	1.8	2.9	2.9	3.3	2.4	2.8	2.4	2.7	2.8	1.6	1.9	2.3	1.2	3.4	2.0	2.7	1.5	2.6	2.1	2.9	2.6	3.3	2.7	2.4	1.3	2.3	2.3	1.9	0.8	2.1	2.6	2.1	1.9	2.2	2.1	2.6	2.6	1.6	2.6	3.3
TSEN34	3.2	3.4	2.8	3.7	3.7	4.2	3.5	2.1	4.0	3.2	5.4	5.8	4.3	4.9	6.2	3.1	4.9	3.5	2.9	5.0	5.5	3.8	3.6	3.5	4.0	3.9	4.4	4.5	3.8	6.3	3.1	3.7	5.8	4.6	3.9	3.2	5.0	5.0	4.1	3.2
TSFM	8.6	8.6	8.8	7.3	6.1	7.8	7.9	8.1	8.9	8.5	12.1	9.5	10.2	9.7	7.0	8.9	6.5	11.2	6.9	7.6	7.5	8.0	8.3	8.9	8.2	6.7	9.0	8.7	6.6	8.6	6.9	9.4	4.9	8.8	8.3	7.3	9.1	6.2	9.0	7.6
TSG101	26.4	23.7	20.3	22.3	23.4	25.4	25.5	23.7	27.3	25.0	22.7	26.9	29.7	30.4	29.1	25.8	28.5	24.1	24.3	25.2	26.1	26.8	26.1	26.2	20.9	22.8	27.5	30.8	19.1	27.9	24.2	23.8	22.9	25.6	25.0	24.9	27.5	26.0	30.1	28.3
TSHZ1	5.0	4.4	3.0	3.3	5.3	4.1	4.4	5.3	5.9	4.5	4.6	4.8	5.0	4.4	5.6	6.2	3.8	4.9	4.5	6.0	4.2	4.3	4.6	6.4	3.7	5.9	4.6	5.3	4.1	3.3	4.0	4.3	5.6	5.6	3.6	4.3	4.8	3.8	5.2	6.5
TSKU	2.2	2.0	2.2	2.6	5.3	3.5	3.1	3.1	4.0	2.1	2.3	1.5	2.6	2.9	7.9	2.7	3.6	1.4	2.8	3.4	12.7	2.3	1.4	1.3	3.1	4.2	3.0	1.5	1.7	4.9	1.6	4.5	4.7	4.5	3.0	3.6	3.2	6.4	1.9	4.3
TSN	8.2	8.0	8.0	6.7	8.0	7.8	6.9	7.9	9.4	9.2	9.6	10.2	8.7	10.6	9.9	9.5	9.0	10.3	8.4	9.9	8.3	8.5	10.5	8.9	6.1	7.2	9.2	8.4	6.5	8.4	7.9	9.3	8.7	10.1	9.4	8.8	9.9	7.9	8.7	9.7
TSNAX	7.3	6.2	7.9	5.6	7.1	6.4	6.4	7.0	8.0	6.0	6.8	7.4	6.0	6.4	6.9	7.8	8.0	7.1	6.7	8.9	7.5	6.0	8.9	7.1	4.2	6.2	8.3	7.3	3.8	5.1	7.2	8.2	6.7	6.7	5.7	6.3	7.1	4.3	8.5	7.9
TSPAN12	12.8	16.2	12.2	12.1	14.8	13.8	12.4	15.0	14.9	11.7	14.1	12.1	13.4	12.6	11.4	12.7	11.1	13.6	11.6	12.6	14.3	12.3	18.2	14.0	8.9	10.8	11.9	18.0	8.6	10.4	13.2	13.3	8.5	10.2	11.7	9.7	12.2	11.6	13.2	13.9
TSPAN13	5.3	6.6	5.3	6.7	10.5	6.5	6.3	6.5	2.9	5.1	5.5	5.9	4.9	6.3	4.4	6.0	4.4	4.5	4.6	5.7	4.8	4.2	5.0	4.2	3.6	8.0	6.4	4.3	2.4	12.2	8.1	9.2	8.9	5.4	7.4	5.9	7.3	5.4	8.8	6.2
TSPAN14	6.0	7.8	6.7	6.4	8.4	7.6	8.1	7.2	5.7	4.5	5.5	4.8	5.0	4.8	9.1	5.2	5.2	5.1	5.5	5.9	6.4	6.3	4.4	4.9	3.4	5.0	6.1	5.5	3.4	5.2	7.4	6.2	15.1	6.0	6.2	6.5	8.1	6.9	8.2	6.7
TSPAN15	3.1	3.7	3.2	3.5	3.1	4.8	2.3	3.5	4.4	1.5	2.0	3.1	2.5	2.5	4.5	1.8	2.4	3.4	3.2	6.9	5.1	4.9	3.0	3.3	1.8	2.4	1.4	1.2	2.1	4.3	4.4	3.5	3.2	1.9	3.3	3.9	3.3	3.5	2.5	6.3
TSPAN17	3.3	3.8	3.4	4.3	4.5	3.0	3.7	4.0	4.3	4.6	3.0	4.1	4.0	5.6	3.8	3.5	4.7	3.3	3.7	3.6	4.0	4.1	3.4	3.8	2.6	2.3	3.2	3.3	3.4	2.7	3.1	4.4	2.7	3.9	3.3	3.2	4.2	3.8	3.7	3.0
TSPAN18	13.8	11.4	8.3	13.4	21.8	11.4	11.0	19.1	20.2	16.4	11.8	14.4	12.7	15.9	15.0	15.6	12.0	16.0	14.1	16.3	16.1	14.9	13.8	18.8	9.6	12.8	12.0	12.9	11.0	9.7	13.1	15.1	6.2	17.0	12.5	12.6	16.5	13.9	11.8	14.2
TSPAN3	12.9	15.5	13.6	13.2	19.5	13.6	13.8	15.7	19.4	16.1	17.3	16.8	22.5	24.2	24.2	18.0	16.6	18.5	16.4	20.6	24.7	16.0	15.8	16.2	15.4	17.0	17.4	18.1	16.0	19.7	17.4	20.7	18.5	19.6	19.0	17.4	22.3	21.0	22.6	16.2
TSPAN31	6.7	7.4	6.1	8.3	7.9	6.3	5.8	7.1	8.2	8.1	5.8	7.5	8.5	10.0	9.0	6.7	7.0	8.1	8.7	7.0	8.5	7.9	7.8	6.8	5.4	6.2	7.7	6.6	5.6	7.7	6.3	7.7	8.2	9.1	7.6	8.0	9.2	7.0	10.1	7.6
TSPAN4	10.9	10.2	8.4	7.6	12.4	11.4	11.6	8.5	13.5	8.3	14.2	11.0	17.2	12.7	13.3	10.4	11.7	8.6	11.4	14.9	16.8	12.5	12.1	8.0	10.2	11.1	9.4	11.6	13.0	12.3	6.1	9.1	23.0	14.4	12.8	9.9	7.8	5.6	12.3	10.4
TSPAN6	2.6	2.2	1.5	1.7	2.4	2.9	1.6	2.3	2.5	1.4	2.2	2.0	2.7	2.4	3.6	2.0	2.3	1.7	1.8	2.7	3.1	1.7	1.8	2.2	2.4	1.5	2.3	2.0	1.3	4.4	2.3	2.3	8.3	2.3	2.4	2.7	2.6	1.6	2.9	2.9
TSPAN7	9.3	11.3	8.5	6.4	10.4	8.5	8.3	7.6	14.1	5.7	8.4	6.5	12.7	6.0	21.2	10.9	7.4	7.2	9.6	9.9	12.5	9.4	9.9	5.9	6.4	9.8	9.6	8.8	6.0	12.5	14.2	12.3	29.4	8.9	8.8	10.5	10.1	7.8	14.9	9.8
TSPAN9	29.7	35.0	27.1	21.5	38.3	21.5	26.9	32.5	59.1	46.4	58.3	61.9	33.3	58.3	43.0	44.6	36.7	55.2	46.3	48.0	40.9	47.0	53.5	57.9	30.3	44.6	39.3	50.6	37.2	48.4	40.5	48.1	18.0	47.7	37.7	27.0	45.6	30.2	31.2	42.7
TSPO	22.9	21.4	18.0	20.8	42.4	26.8	27.4	24.4	24.4	18.9	27.1	25.3	28.2	34.0	26.8	18.7	21.0	21.0	22.9	22.5	28.5	22.6	15.7	18.0	21.7	17.0	21.0	18.2	29.0	30.3	22.5	24.3	24.6	33.3	21.5	20.8	25.5	19.9	21.4	18.5
TSPYL1	9.5	10.8	10.2	10.5	8.4	8.5	7.9	12.3	14.3	12.6	13.8	14.3	12.8	11.4	13.4	15.4	11.6	13.0	13.1	14.0	12.2	11.6	17.8	16.1	9.5	11.8	12.6	14.0	7.3	11.4	11.3	14.3	13.6	15.1	14.4	14.0	12.8	8.6	14.2	16.1
TSPYL2	6.9	7.7	10.0	8.1	10.9	9.0	11.4	4.2	5.7	4.9	6.8	8.9	9.5	9.1	12.5	7.6	8.9	4.7	5.8	10.2	7.0	6.9	5.4	5.3	18.5	16.5	16.8	8.5	10.0	23.2	9.6	9.8	30.2	13.9	15.0	18.1	19.9	16.3	22.4	6.6
TSPYL4	8.9	9.7	7.8	7.2	9.1	7.4	7.1	7.9	9.3	8.0	8.3	9.2	8.4	10.3	9.6	9.7	9.8	11.8	9.1	11.7	9.4	7.8	9.7	11.0	6.1	6.7	11.4	8.9	7.0	6.8	8.2	8.3	8.1	12.1	14.0	9.3	10.3	8.3	9.7	10.0
TSPYL5	4.1	3.5	4.0	5.6	4.0	2.6	3.5	5.1	5.3	3.5	4.0	3.7	3.3	3.3	4.9	4.9	3.7	4.0	3.8	4.5	4.0	4.6	5.8	4.9	3.6	3.4	4.8	2.9	2.3	2.4	4.3	4.1	3.0	4.4	3.7	4.4	4.7	3.5	5.5	4.7
TSR1	5.7	6.1	6.4	6.6	7.0	5.6	5.5	5.7	6.9	5.2	6.9	6.5	7.2	7.8	5.6	6.2	6.5	7.8	5.7	7.4	6.9	7.2	5.9	6.6	4.9	5.5	7.4	6.3	5.4	5.7	4.7	6.6	6.4	7.7	5.1	7.4	7.5	6.8	6.1	6.6
TSR2	16.1	18.2	16.9	13.9	15.0	13.7	16.0	14.0	19.9	15.4	19.9	20.0	17.1	18.1	23.2	15.5	15.0	16.3	17.3	20.9	17.6	16.7	20.2	16.2	17.3	17.6	21.7	16.7	14.8	22.3	15.9	19.7	20.1	22.6	18.7	17.6	16.6	16.9	21.9	15.6
TSSC1	2.4	3.2	1.9	2.0	3.2	2.8	3.5	3.6	3.9	3.3	5.0	3.8	3.4	6.1	3.7	3.0	2.4	2.8	3.0	4.4	4.2	2.9	2.5	3.5	1.9	3.2	3.6	3.8	3.5	3.6	3.0	4.6	2.8	3.5	2.6	3.6	3.2	3.8	3.1	3.1
TSSC4	4.7	5.5	6.0	6.5	6.7	6.7	5.5	5.2	5.7	6.7	7.9	6.9	6.8	9.2	8.4	5.9	5.7	5.5	5.8	5.6	7.0	5.1	5.4	5.6	6.1	4.7	6.9	6.0	5.2	9.3	5.7	8.5	9.8	8.5	6.9	4.9	7.4	7.0	6.9	4.8
TST	17.0	14.6	14.2	14.5	22.5	18.7	20.6	10.9	9.7	11.8	14.6	15.0	16.7	17.5	7.7	13.0	10.6	10.8	14.6	13.0	13.7	11.0	9.1	12.9	10.6	7.3	16.4	10.5	7.0	14.5	9.6	11.3	8.8	11.1	14.6	16.1	13.7	9.3	10.4	13.6
TSTA3	4.8	7.8	6.2	8.4	9.7	8.2	7.3	7.1	7.0	6.8	8.1	8.2	8.7	8.3	10.0	7.6	11.9	7.1	8.8	7.2	11.3	6.1	7.6	6.7	8.1	7.4	9.7	10.8	6.7	11.0	6.8	8.1	15.6	8.7	8.5	9.1	10.3	10.3	8.1	5.1
TSTD1	2.5	2.8	1.2	2.8	4.6	3.1	2.9	2.3	3.9	3.0	6.1	6.6	3.3	5.8	5.2	3.1	4.4	3.2	2.7	5.9	6.6	4.9	5.4	3.0	3.1	2.4	3.4	3.9	2.1	7.4	4.0	3.6	5.8	5.4	3.4	4.0	5.1	6.8	4.6	1.9
TSTD2	4.4	4.7	3.9	3.4	4.5	3.7	4.2	4.7	4.7	3.5	5.7	4.5	3.6	3.7	2.7	3.8	3.9	4.0	5.0	6.0	4.1	3.6	4.7	5.4	3.0	2.8	3.8	3.8	1.8	1.3	2.5	3.1	3.7	3.8	4.2	3.6	4.4	2.8	3.6	4.6
TTC1	36.3	23.9	32.2	34.3	35.2	31.7	34.4	26.5	26.9	21.3	29.3	22.5	32.5	31.7	27.7	30.3	22.9	28.8	22.7	28.0	32.3	27.5	27.7	25.0	21.2	22.5	32.5	28.0	22.5	34.7	27.1	29.2	22.4	27.8	27.5	24.8	27.1	27.8	28.2	26.3
TTC12	1.6	2.7	0.9	1.6	2.2	1.9	2.1	1.8	2.3	0.6	2.6	2.7	2.2	1.0	2.3	2.5	1.3	2.1	1.3	3.6	2.2	2.1	3.2	2.9	1.3	0.9	3.2	1.8	1.3	1.8	1.8	2.3	1.8	2.1	1.0	1.8	2.2	2.0	3.0	2.8
TTC13	2.3	2.1	2.1	2.7	2.8	2.3	1.6	1.6	2.3	1.8	2.2	2.0	2.6	2.1	2.8	1.7	2.4	2.2	2.4	3.6	2.4	2.2	2.1	2.2	1.9	2.2	1.7	2.2	1.5	1.8	2.0	1.9	4.3	2.1	1.7	1.9	2.9	1.6	1.9	2.1
TTC14	4.0	5.8	4.8	4.6	4.7	5.2	4.1	4.6	6.5	6.2	4.7	6.1	7.0	4.6	5.4	4.7	6.0	6.0	5.5	7.9	6.3	4.6	5.8	5.6	6.2	6.4	6.3	5.6	4.4	4.8	6.1	4.9	9.5	7.0	6.7	5.6	8.0	5.0	6.3	6.9
TTC15	10.3	7.5	8.5	9.3	12.7	8.8	11.0	8.9	9.1	6.6	11.7	8.0	9.2	10.3	9.4	9.7	8.2	6.6	7.8	8.0	9.6	8.9	7.8	8.4	7.9	7.6	10.7	6.9	6.4	10.4	8.8	10.4	7.8	7.7	8.3	7.9	10.3	8.4	8.6	8.5
TTC17	6.9	6.8	5.9	7.3	7.2	5.9	5.9	7.3	7.6	6.7	6.9	5.8	6.9	6.9	7.6	6.8	6.3	7.7	6.8	9.8	8.4	7.1	7.4	7.4	5.8	7.2	5.9	7.1	4.3	5.9	6.2	6.0	11.6	8.1	7.0	6.4	8.3	5.6	6.7	7.8
TTC19	5.8	5.8	6.6	7.2	6.2	5.2	5.1	4.1	6.9	6.4	7.3	6.6	4.0	7.1	6.2	5.6	6.2	5.4	6.3	6.9	6.1	5.8	7.0	6.5	4.5	5.4	7.1	5.7	3.6	5.7	6.3	5.8	7.0	5.5	5.9	6.8	6.4	5.5	7.0	7.5
TTC21B	2.9	2.7	2.1	2.2	3.1	2.6	1.9	3.4	3.6	3.0	3.2	2.2	2.4	2.6	1.3	2.7	2.6	4.0	2.8	3.6	2.5	2.4	2.9	2.7	1.5	3.0	2.9	2.3	1.2	1.6	1.8	2.2	3.0	3.2	2.5	3.0	3.4	2.1	2.6	3.3
TTC23	1.9	2.0	2.1	2.0	2.5	1.9	1.8	2.1	3.0	2.5	2.1	2.4	2.0	3.3	3.4	2.1	2.3	2.4	3.0	3.3	2.6	2.6	3.3	2.8	2.2	2.1	2.8	2.7	1.7	2.3	2.4	2.5	3.5	3.2	2.2	2.7	3.6	2.4	2.9	2.6
TTC27	2.8	2.2	2.7	2.6	3.1	2.5	2.8	2.7	2.7	2.7	3.0	2.6	2.8	3.9	2.7	2.4	2.8	2.1	2.4	3.3	2.9	2.7	1.6	2.5	2.2	2.7	3.5	3.1	1.7	2.4	1.7	2.3	3.5	1.9	2.6	3.2	4.0	2.4	1.7	2.3

UGT2B4	18.2	11.9	2.1	6.4	1.6	1.9	0.0	4.5	4.5	6.5	4.8	12.3	1.2	4.4	3.0	5.4	4.3	0.0	0.0	5.1	5.4	6.7	5.8	1.7	2.5	5.7	3.3	5.2	0.5	6.3	5.4	3.0	1.4	0.0	0.0	2.9	3.4	2.6	3.2	2.3
UHMK1	3.5	2.9	3.3	3.4	2.7	2.4	2.1	3.5	4.6	2.9	3.2	2.5	2.6	4.0	2.6	2.6	3.3	2.9	3.2	4.9	3.6	2.6	2.9	2.9	2.7	2.4	2.9	2.8	1.9	2.3	2.9	3.3	4.7	4.7	2.9	3.8	4.3	3.2	3.5	4.0
UHRF1BP1	2.9	2.8	3.7	2.8	3.8	2.6	3.4	3.4	4.1	3.1	3.4	2.4	2.1	3.9	1.5	3.4	2.8	3.0	2.5	3.2	2.2	2.5	3.4	3.0	2.7	2.6	3.4	2.8	1.2	2.0	2.3	3.1	2.1	3.6	2.4	4.4	3.2	2.3	3.6	4.5
UHRF1BP1L	2.3	2.1	2.6	2.1	2.4	2.1	2.2	2.3	2.7	1.7	2.9	2.0	2.1	3.4	2.1	2.3	2.6	2.5	2.1	3.4	2.1	2.1	2.2	2.2	1.8	2.2	2.1	2.1	1.1	1.5	1.7	2.4	2.7	3.1	1.8	3.0	2.8	3.0	2.6	2.7
UHRF2	2.9	3.3	2.3	2.7	4.1	3.1	2.7	2.9	4.6	3.8	3.8	3.4	4.4	4.7	4.1	3.1	3.1	3.7	3.7	4.6	4.4	3.3	3.9	3.9	3.8	4.0	4.0	3.2	3.1	3.5	3.1	3.7	7.6	4.7	3.1	4.1	5.5	3.3	4.3	4.6
UIMC1	6.2	6.3	5.5	7.5	6.9	4.6	5.3	5.6	6.6	5.1	5.3	5.1	7.7	9.3	8.5	5.5	6.5	5.8	4.7	6.8	6.8	6.4	5.8	5.6	5.7	7.2	5.6	5.8	5.9	7.7	6.1	6.7	8.8	7.6	5.1	6.4	8.1	7.0	7.7	6.6
ULK1	9.0	11.8	9.2	11.1	13.9	12.2	10.4	8.9	13.2	12.8	12.3	13.4	14.9	12.3	14.4	17.8	12.3	11.2	12.4	11.3	11.9	13.4	13.3	11.7	13.6	13.3	16.9	14.6	9.1	13.6	11.4	11.6	18.8	16.9	14.9	13.8	17.5	14.7	25.2	12.0
ULK2	3.8	2.7	2.7	4.2	4.5	3.2	3.0	3.1	3.9	4.0	4.6	2.7	4.2	3.4	2.7	4.3	4.1	4.0	3.8	4.7	4.0	4.0	3.8	3.5	2.5	3.5	4.1	3.0	3.0	1.5	2.3	4.0	4.7	4.5	3.8	3.4	5.5	2.8	3.4	4.5
ULK3	5.4	6.5	6.4	6.5	9.5	5.8	7.1	7.2	8.3	4.4	5.9	5.7	7.1	6.7	6.4	7.1	4.6	4.9	5.0	6.1	7.0	5.1	6.3	5.8	6.3	4.1	6.4	7.4	5.2	6.6	6.7	6.0	8.0	5.7	7.1	5.3	7.5	4.6	5.9	6.9
UNC119	5.3	5.8	5.2	6.9	6.8	6.8	5.7	5.8	7.2	4.9	6.9	6.3	6.2	6.6	6.9	6.0	5.2	5.3	4.7	5.9	6.1	6.1	7.0	6.2	4.6	5.8	6.3	4.6	6.1	5.2	6.5	6.2	5.6	6.0	3.6	4.8	6.2	5.3	5.5	5.6
UNC119B	2.7	4.0	3.1	4.1	4.1	3.6	3.3	4.3	4.0	4.0	3.8	4.0	4.2	4.0	5.3	3.0	4.0	3.6	3.3	5.7	5.0	3.5	3.4	3.5	2.2	2.7	3.1	3.3	3.9	2.0	2.4	2.4	4.3	5.1	3.9	3.4	4.3	3.1	3.6	3.3
UNC13B	7.1	6.2	6.1	7.2	8.5	6.4	5.4	7.0	6.8	5.1	6.1	5.1	6.8	7.7	6.7	5.8	6.4	5.7	5.9	7.3	6.4	5.8	5.0	5.9	4.6	6.3	7.1	7.0	5.4	5.1	6.5	6.0	9.4	9.1	6.4	9.1	9.1	6.8	6.7	7.6
UNC45A	5.4	4.8	3.5	4.5	6.3	5.9	3.9	4.8	6.6	6.2	5.9	6.3	7.1	7.8	9.2	6.4	5.5	5.8	5.9	7.7	7.6	6.5	5.1	6.7	4.9	6.4	6.0	6.1	5.2	7.5	5.2	6.2	9.2	7.4	5.5	5.0	6.6	6.5	6.5	4.8
UNC45B	35.7	34.7	34.2	30.9	38.8	32.4	28.2	40.9	36.8	31.8	38.5	38.3	36.3	42.0	34.1	36.0	37.2	50.4	40.6	38.7	33.2	35.6	40.7	50.0	25.0	30.5	40.5	35.4	29.0	26.2	34.9	52.7	20.1	44.9	36.9	35.7	36.5	47.7	37.6	37.7
UNC50	8.9	7.6	7.0	7.8	7.8	7.6	6.9	7.9	9.8	8.8	9.6	9.6	10.7	11.5	13.8	9.3	8.2	10.2	9.8	11.1	9.9	8.0	9.6	9.3	6.8	8.6	8.3	9.3	8.6	7.8	8.1	8.3	11.9	9.8	9.7	8.0	8.3	9.0	10.8	8.3
UNC5B	2.7	2.3	1.6	5.0	2.4	2.0	1.7	3.1	4.5	3.8	3.4	3.4	2.9	4.3	9.4	3.3	3.9	3.4	2.9	9.2	2.7	3.8	2.9	4.0	1.2	3.8	1.0	2.5	2.4	1.1	2.3	3.1	1.6	4.7	2.1	2.2	2.6	2.2	1.1	3.0
UNC93B1	1.1	1.4	1.1	1.3	3.3	2.0	1.9	2.1	3.3	1.6	1.8	1.3	4.9	2.2	4.4	1.8	2.5	1.3	2.1	3.4	3.4	1.7	1.2	1.9	1.1	1.8	1.6	1.7	2.0	2.2	1.1	1.8	5.9	2.2	1.3	2.1	2.7	1.6	2.2	1.9
UNG	7.0	6.0	6.2	7.9	5.5	7.4	4.8	7.4	8.9	6.8	8.5	8.2	8.8	10.0	9.9	5.4	7.9	9.7	6.6	9.3	8.1	7.6	6.6	8.0	6.1	8.0	7.1	10.7	7.3	9.5	6.3	8.2	7.6	10.8	7.2	7.6	7.2	7.7	6.3	7.7
UNK	2.6	3.4	2.5	2.7	3.7	2.7	3.1	2.9	3.4	2.6	3.0	3.2	3.2	2.4	4.9	2.1	2.9	3.1	3.0	4.0	3.3	2.9	2.6	3.2	1.9	3.4	4.6	3.7	2.8	2.5	3.9	2.8	5.1	3.2	3.6	2.8	3.4	2.7	2.9	3.0
UNKL	1.9	2.9	1.9	2.9	4.0	2.7	2.7	1.9	2.9	2.7	3.3	3.0	3.3	2.5	3.4	3.3	2.4	2.9	2.6	4.7	3.1	2.8	2.7	2.6	4.1	2.0	4.9	3.0	3.0	2.0	2.2	2.2	4.9	3.1	3.4	3.2	3.3	2.7	5.0	3.7
UPF1	6.3	7.8	7.2	7.6	8.1	7.8	4.6	8.0	10.5	8.3	8.3	8.9	9.9	9.9	10.9	8.6	8.4	7.8	9.4	9.3	11.0	8.9	10.1	9.6	7.0	9.2	10.4	10.3	7.1	8.3	9.0	8.8	14.2	12.5	8.6	9.9	10.9	11.6	12.4	9.1
UPF2	4.7	5.6	3.9	5.8	5.4	4.7	4.1	5.1	4.9	3.8	4.4	3.5	4.6	6.3	4.2	4.4	5.3	4.9	4.7	5.0	4.4	4.3	5.5	5.0	3.8	4.2	4.8	4.1	2.7	4.0	4.1	4.4	6.5	5.1	4.4	5.4	5.3	5.0	6.0	6.1
UPF3A	7.9	7.9	6.1	6.1	9.3	6.6	7.0	6.7	9.2	6.2	6.9	8.2	7.0	7.0	14.4	7.4	6.7	8.3	6.3	10.2	7.4	4.9	7.7	7.3	9.4	7.4	7.5	7.7	5.7	7.2	10.1	8.8	10.5	9.6	7.5	6.8	6.7	6.1	9.0	6.9
UPF3B	2.5	2.7	1.7	2.5	3.0	1.6	1.6	2.0	3.0	2.2	2.4	2.2	2.8	2.9	3.4	2.2	1.6	2.3	1.7	3.5	3.0	1.8	2.1	2.7	2.6	2.7	2.7	1.8	2.3	3.0	2.3	2.2	3.9	2.6	2.1	3.3	2.8	1.9	3.4	2.7
UPK3BL	4.3	7.9	2.9	2.5	6.8	6.1	5.9	9.6	8.1	5.3	6.5	4.8	7.7	10.6	13.6	11.4	5.2	6.2	4.4	7.2	5.3	5.2	11.0	11.5	6.8	9.6	10.2	4.9	7.5	6.3	14.0	14.0	11.0	7.1	5.4	6.2	6.7	6.0	9.9	10.4
UPP1	2.6	3.1	2.2	2.2	3.4	2.9	3.2	2.3	3.3	2.9	3.2	4.8	2.7	4.4	3.7	3.0	3.9	3.2	3.0	3.3	3.3	2.2	2.7	2.8	4.3	3.2	2.7	3.2	3.2	4.2	6.1	3.7	8.0	3.8	1.8	3.3	4.1	4.1	4.0	1.7
UPRT	4.1	3.1	2.7	3.0	2.7	2.9	3.1	2.7	2.9	3.1	3.4	2.5	3.0	2.5	2.9	3.1	2.2	3.2	2.7	3.8	3.0	2.7	3.9	4.0	2.0	2.7	3.1	4.2	1.7	2.5	2.6	3.3	3.0	2.5	3.2	4.3	3.1	2.8	2.5	3.7
UQCC	23.7	17.6	24.3	21.6	22.6	23.0	20.7	19.8	23.5	16.0	28.5	19.7	17.8	18.2	18.9	22.7	16.4	20.3	18.2	24.4	21.3	24.5	21.6	23.9	17.6	13.6	23.8	24.5	14.3	23.2	19.0	23.9	11.2	19.6	20.8	22.4	20.9	21.2	23.2	23.6
UQCR10	78.6	100.7	97.6	109.3	86.4	84.9	106.1	109.4	91.8	96.4	107.6	98.0	81.1	80.2	72.3	98.2	100.2	98.7	93.0	73.5	82.6	72.7	97.0	96.0	89.8	78.7	114.3	121.3	64.3	104.9	105.6	109.8	55.9	84.5	92.9	91.4	93.2	73.5	97.7	89.9
UQCR11	72.8	76.7	86.0	76.5	79.9	64.1	85.2	70.9	66.7	65.1	80.8	83.2	63.6	56.5	53.7	69.0	66.5	66.7	67.3	62.2	62.5	63.9	66.4	71.5	58.2	53.9	78.0	90.7	46.2	71.9	74.3	68.3	39.5	67.5	79.7	69.4	68.9	59.1	65.4	71.1
UQCRB	102.1	109.3	112.3	112.2	74.4	88.2	98.9	97.2	82.5	78.5	93.8	74.5	70.1	52.9	60.7	92.4	66.5	78.2	82.8	73.9	66.2	77.9	101.8	88.7	79.4	70.0	115.8	100.3	42.4	87.8	105.9	91.5	50.7	64.6	118.2	89.0	77.0	59.6	106.8	118.1
UQCRC1	248.7	266.5	281.1	254.3	233.8	253.8	252.5	247.2	219.3	189.3	253.6	228.2	200.6	174.6	157.9	223.5	172.5	213.7	211.0	192.2	197.7	225.4	208.3	199.9	208.8	162.4	264.3	258.4	149.9	252.0	235.6	233.1	108.0	216.4	243.5	242.9	237.7	215.9	216.0	218.0
UQCRC2	256.3	278.8	286.9	285.4	233.6	262.6	247.2	269.8	255.1	245.5	316.1	260.0	255.6	225.5	190.0	248.0	209.7	307.7	221.2	251.1	214.3	285.1	254.9	264.4	188.2	203.8	272.7	284.5	154.8	263.7	198.7	233.7	129.5	270.1	246.5	263.9	251.4	228.0	246.4	295.6
UQCRFS1	147.5	144.2	171.2	140.0	149.4	154.0	160.5	170.7	156.0	133.6	175.5	152.5	148.5	146.7	97.1	138.2	105.3	146.3	124.7	135.9	128.6	151.4	128.7	149.3	115.4	100.0	150.3	140.5	96.2	170.1	118.2	138.2	61.8	140.4	128.2	148.8	147.1	116.1	130.8	170.0
UQCRH	329.0	326.3	407.9	394.6	293.0	254.5	369.8	364.4	347.9	395.9	373.1	374.4	339.0	314.2	214.0	336.4	384.2	376.6	377.1	243.1	273.1	290.9	372.4	337.6	272.8	241.0	331.5	357.7	205.7	350.4	315.0	353.5	183.2	327.4	333.8	259.7	280.1	263.9	313.1	357.1
UQCRQ	61.2	87.6	76.3	79.9	65.6	69.5	81.0	63.3	61.6	73.0	78.1	90.2	73.0	72.2	51.8	67.1	63.1	68.3	71.7	62.7	74.5	66.5	77.0	73.2	52.5	54.8	76.4	78.8	44.2	89.2	81.2	82.4	35.7	66.6	74.1	75.5	66.1	62.5	66.7	71.0
URB1	1.5	2.9	2.9	2.4	2.9	1.7	1.3	2.2	2.2	2.1	2.6	2.8	2.0	3.0	2.5	2.3	2.7	3.0	2.3	2.9	3.4	2.9	2.1	2.9	1.6	2.3	3.3	3.2	1.8	1.4	2.5	2.7	3.4	3.6	1.9	3.7	3.7	5.0	2.3	2.3
URGCP	6.3	8.6	7.2	8.6	6.6	6.8	4.8	7.7	8.4	7.9	7.1	7.9	8.0	7.5	9.5	7.4	6.5	6.2	6.6	8.2	8.0	6.2	7.5	8.7	8.2	7.9	8.8	8.1	7.5	6.7	6.8	8.0	7.5	8.7	7.1	6.9	9.1	7.0	8.5	7.3
URM1	16.7	16.3	15.9	16.7	20.8	18.4	13.2	13.5	15.6	16.7	17.4	20.0	16.0	19.0	17.9	14.3	15.7	16.2	18.8	19.2	18.9	17.6	18.6	12.6	13.5	11.8	20.6	17.4	12.2	18.9	15.6	14.8	17.4	18.4	18.6	15.4	16.7	14.5	15.9	10.4
UROD	18.5	21.3	19.1	19.9	21.9	19.2	19.7	17.8	20.0	16.4	22.4	22.6	25.4	20.4	24.2	19.1	18.2	20.5	19.4	19.4	19.7	20.0	20.5	20.6	19.8	17.8	26.8	24.1	16.2	27.9	20.3	22.8	19.1	21.5	25.7	18.9	21.4	18.3	24.0	23.8
UROS	14.8	17.5	14.5	14.7	22.8	18.7	15.9	14.9	19.7	15.8	18.3	19.7	18.4	22.6	14.4	14.1	17.1	16.6	14.6	15.5	21.0	19.6	17.9	22.0	15.1	13.3	21.8	11.7	15.5	22.0	12.9	14.3	10.2	16.9	13.5	13.4	21.8	15.7	16.3	19.1
USE1	6.3	5.7	4.8	7.2	5.8	5.7	4.8	6.6	5.2	5.1	4.9	7.1	5.9	7.2	6.1	5.6	4.5	3.9	5.8	6.3	5.4	4.3	5.6	5.7	5.2	5.6	5.3	6.7	4.1	7.3	6.5	6.0	6.7	6.1	7.2	6.0	6.3	5.5	6.1	5.2
USF1	8.5	9.3	7.0	8.3	8.2	11.3	7.1	8.1	10.4	7.8	8.6	8.5	11.0	7.7	12.9	7.3	6.5	8.2	8.3	10.7	9.2	8.3	8.8	9.1	6.3	9.3	8.8	9.1	7.3	9.8	8.4	9.1	13.2	8.8	8.1	8.2	8.2	7.3	9.4	7.7
USF2	42.8	47.8	48.4	55.7	49.2	53.5	47.2	57.9	53.5	54.8	54.3	49.7	56.7	72.7	57.7	48.6	56.9	53.7	47.2	51.6	47.1	49.4	50.7	51.2	38.7	48.5	60.6	68.4	40.3	53.4	50.7	56.4	53.3	56.7	55.0	50.5	60.5	50.1	56.0	52.9
USHBP1	3.6	4.7	3.0	4.5	4.8	4.3	5.2	4.0	4.4	2.1	3.6	5.0	2.8	2.8	6.2	3.3	2.4	3.8	5.0	3.5	4.5	3.8	4.5	3.6	2.6	2.7	4.7	3.6	3.5	4.1	7.8	5.0	5.1	3.0	3.0	3.9	4.5	3.9	4.4	5.3
USMG5	64.5	54.9	59.2	42.9	36.6	39.5	55.7	50.6	49.4	44.1	72.6	63.8	42.4	33.0	39.9	49.0	38.8	50.1	48.0	47.5	35.5	38.2	44.3	40.3	37.8	38.7	49.1	48.4	29.3	51.9	63.2	47.7	26.6	55.4	52.5	51.5	38.8	26.5	43.9	43.8
USO1	29.6	22.1	22.8	29.1	30.8	26.7	21.4	29.7	25.3	24.6	24.1	21.9	27.4	28.0	17.2	27.2	23.6	28.2	21.7	24.1	26.6	24.9	24.3	25.2	16.2	23.3	28.5	22.8	14.7	18.1	18.0	22.9	24.5	30.7	23.7	26.9	32.7	26.0	26.7	30.4
USP1	4.0	4.5	3.7	4.0	4.6	3.8	3.4	4.0	4.6	3.9	4.6	4.0	5.0	5.0	4.8	4.0	3.8	4.4	3.7	5.5	4.4	4.1	4.3	3.9	3.0	3.9	5.1	4.3	3.3	3.2	3.5	4.4	5.9	5.3	3.7	4.4	4.8	3.4	5.2	5.4
USP10	10.5	12.1	10.5	12.4	11.8	9.4	10.2	12.6	10.1	8.8	10.3	8.9	10.4	11.8	9.4	11.2	9.2	9.8	9.6	11.3	11.1	10.2	11.4	12.0	7.5	9.4	10.2	11.5	7.6	8.5	9.1	9.6	9.3	11.3	9.4	8.6	12.9	10.2	11.0	14.1
USP11	10.2	12.0	8.3	7.7	11.2	11.8	7.3	9.5	16.8	14.5	15.1	20.8	16.9	15.6	22.7	15.2	15.7	14.9	16.1	18.2	14.4	14.1	16.0	19.4	15.5	17.8	17.9	16.3	12.9	17.2	13.9	14.3	20.0	19.1	15.7	13.6	14.2	15.7	19.4	13.0
USP12	4.6	4.4	4.0	5.5	4.7	3.4	3.5	4.5	5.4	5.0	5.5	4.0	4.9	6.6	3.5	5.0	6.5	5.2	4.7	6.1	5.5	5.2	5.9	4.0	3.3	5.9	5.0	4.6	2.7	3.5	3.6	4.7	9.6	7.2	4.5	7.2	6.0	5.6	6.8	5.7
USP13	18.0	19.2	16.6	13.2	13.4	17.8	15.2	19.7	19.0	14.6	17.5	14.1	10.7	17.1	6.6	14.2	17.6	20.0	16.5	15.6	12.2	14.5	17.4	15.5	13.2	10.2	13.7	13.7	6.7	8.1	10.7	13.5	9.8	16.9	15.3	18.0	16.1	13.5	13.9	17.9
USP14	9.4	6.9	7.9	6.9	6.7	6.4	6.3	7.8	8.6	7.0	8.1	6.6	7.3	8.4	6.2	7.4	6.3	8.1	6.6	7.4	7.0	7.8	7.4	7.7	5.0	6.1	6.8	6.6	4.3	5.1	6.0	8.5	6.8	8.2	6.6	7.3	8.2	7.2	7.2	7.7
USP15	8.2	8.4	8.6	5.9	9.1	7.1	7.5	8.9	10.0	7.2	8.4	8.0	8.3	12.1	5.9	8.5	8.4	10.9	9.6	8.8	8.2	7.9	7.9	9.1	5.9	6.9	10.4	9.7	5.2	7.0	10.2	10.8	9.7	10.3	7.6	11.0	11.3	10.2	10.7	10.6
USP16	9.9	12.6	11.9	12.1	14.5	11.6	11.2	12.6	13.1	10.7	11.8	11.9	15.9	16.3	12.2	12.5	13.2	12.3	11.7	14.3	13.0	11.0	13.6	11.0	8.0	10.3	12.9	12.0	9.2	10.8	9.2	13.4	14.0	14.1	11.7	14.1	14.2	12.3	14.4	11.7
USP19	8.0	9.4	7.2	7.3	9.4	7.9	6.6	8.5	11.5	8.8	10.1	10.8	10.5	9.9	10.7	9.7	9.8	10.0	9.1	10.4	10.6	9.7	9.8	10.4	7.7	9.3	10.9	10.7	7.5	8.9	8.6	9.1	9.1	9.9	8.6	9.2	11.4	7.5	10.3	10.8
USP2	14.3	16.4	15.3	11.4	13.5	18.0	12.6	19.7	12.7	13.7	18.1	12.0	14.8	12.2	8.6	17.1	8.7	11.7	13.4	8.5	10.9	14.7	15.1	11.9	10.2	21.2	15.5	13.6	7.3	15.8	12.7	13.1	8.5	15.7	20.9	14.4	14.7	10.8	14.2	13.7
USP20	1.9	3.2	2.5	2.3	3.0	3.1	2.3	3.0	4.0	3.2	3.5	3.9	3.6	3.8	5.0	3.6	3.6	3.0	3.4	4.1	3.5	3.2	3.2	3.5	3.0	3.6	4.5	4.7	2.8	3.8	3.3	3.4	5.8	3.7	2.7	3.0	3.6	3.7	3.9	3.1
USP21	4.0	3.5	2.9	4.2	4.0	3.4	2.9	3.8	4.6	3.9	4.1	4.2	4.7	4.0	4.7	3.2	3.4	4.5	4.1	5.2	4.5	3.9	3.8	4.5	3.3	3.2	4.5	4.1	3.8	3.8	3.9	3.3	5.4	3.9	4.3	3.0	4.3	3.6	3.3	3.9
USP22	18.3	21.4	20.2	19.0	22.5	18.1	17.2	21.9	30.4	27.9	28.3	27.2	24.4	29.2	28.8	28.7	25.1	24.0	24.0	28.8	25.9	26.3	29.8	28.9	14.6	25.7	25.7	30.1	20.6	19.0	18.4	26.0	25.9	33.3	22.7	28.2	28.6	27.1	26.1	25.9
USP24	5.6	5.6	4.8	5.5	6.7	6.1	4.5	6.4	8.6	5.0	6.4	5.0	4.6	8.7	4.0	4.5	5.9	5.8	5.6	6.8	5.1	5.6	6.1	7.1	4.2	4.3	4.4	5.7	3.5	4.4	5.1	5.9	5.4	5.8	4.4	6.1	5.9	5.0	5.2	7.0
USP25	8.9	8.5	8.6	7.7	9.1	7.4	8.5	8.6	8.1	6.8	6.9	6.2	8.3	11.2	5.7	8.9	7.8	8.0	6.2	8.0	8.3	7.2	8.0	8.4	4.7	7.0	8.8	8.7	4.8	6.4	6.8	9.9	9.3	9.0	6.7	10.6	9.4	9.2	11.2	10.6
USP28	26.6	30.0	23.6	20.2	22.8	16.1	17.9	22.6	16.5	19.8	21.2	14.2	16.7	21.3	10.3	16.0	18.3	17.3	17.2	16.6	16.2	19.7	25.6	19.7	9.0	19.2	21.9	22.2	7.9	12.8	19.2	19.8	12.0	15.4	21.2	17.9	26.4	18.9	17.8	26.1
USP3	2.6	3.0	2.4	2.6	4.1	2.8	2.1	2.5	3.5	2.8	2.9	3.0	2.7	3.2	3.0	3.3	3.3	3.5	2.7	4.8	3.9	3.3	3.0	2.5	2.3	4.8	3.2	3.3	2.1	2.2	2.4	3.3	5.9	3.5	2.3	2.8	3.3	3.3	4.1	3.4
USP30	2.8	3.7	3.3	2.6	2.5	2.8	2.7	2.7	3.4	1.9	2.7	2.3	2.7	3.6	3.0	2.3	2.6	2.6	2.9	3.2	3.8	3.1	3.3	2.8	1.7	2.2	3.3	3.5	1.6	2.0	2.6	2.8	2.1	2.0	2.8	1.9	3.2	2.0	2.1	3.7
USP31	2.3	2.9	2.8	2.6	4.3	2.6	2.3	3.4	2.0	2.0	2.0	2.0	2.2	3.7	1.5	2.9	2.7	2.8	2.7	2.1	2.2	2.3	2.1	2.4	3.8	2.3	3.4	2.0	1.3	2.4	3.0	2.7	3.4	4.8	5.6	4.1	4.9	3.8	5.2	2.8
USP32	3.4	3.2	4.5	5.2	4.0	3.6	3.4	4.1	5.2	3.8	3.5	3.4	3.4	5.7	3.1	3.6	4.4	4.7	3.6	5.0	3.5	3.7	3.5	3.4	2.5	3.6	2.9	3.6	2.8	2.4	2.6	3.5	5.8	4.8	2.9	4.1	4.6	3.6	3.1	4.2
USP33	6.4	6.0	6.1	5.2	6.3	5.5	5.8	6.3	8.1	5.8	7.5	5.3	6.6	8.3	5.0	6.0	5.9	6.7	6.7	7.9	7.3	5.3	6.2	6.8	4.7	5.5	6.2	5.3	4.0	4.6	5.6	5.7	10.4	6.4	5.6	6.0	7.3	4.8	6.6	7.2
USP34	5.7	5.2	4.7	4.9	6.6	4.9	4.9	5.5	7.8	4.6	6.2	4.2	5.4	8.2	4.6	4.9	6.3	6.2	5.2	7.0	5.2	4.9	5.0	4.9	5.0	5.2	5.2	4.6	3.8	4.5	4.5	5.4	8.9	7.4	5.1	7.0	7.3	5.6	6.6	6.4
USP36	2.9	3.6	3.3	2.6	3.3	2.7	2.4	2.6	4.3	3.9	3.0	3.7	2.9	3.2	4.6	5.0	3.6	3.6	3.2	5.4	3.5	3.4	2.7	2.9	3.0	6.2	4.3	3.8	2.3	2.9	2.9	3.4	8.7	5.1	5.1	4.0	3.7	3.4	4.4	3.1
USP38	3.4	3.9	3.7	4.1	4.4	3.3	3.6	4.1	4.3	3.4	3.9	3.4	3.5	4.6	2.4	4.4	3.4	4.1	3.9	3.9	3.5	3.6	4.0	3.1	3.9	3.2	4.2	3.5	2.0	2.6	3.2	4.3	4.4	5.7	4.5	5.9	5.5	4.4	4.9	4.4
USP39	10.5	8.7	9.3	10.0	12.5	9.5	7.8	10.9	11.4	10.6	9.8	10.4	12.1	12.0	11.4	11.0	10.0	11.6	10.2	11.4	12.6	10.2	10.1	11.7	7.7	11.0	11.5	10.4	8.1	10.5	9.4	10.4	12.3	12.1	9.4	9.1	14.1	10.1	12.7	9.9
USP4	9.8	10.3	9.3	9.5	9.9	9.2	8.8	7.9	13.1	8.7	9.2	10.1	10.9	10.5	11.6	10.0	10.3	10.6	10.5	10.7	10.2	9.8	9.9	10.5	8.7	10.3	8.8	10.8	8.3	9.5	10.7	9.9	15.3	12.8	10.5	10.4	13.0	9.7	10.2	10.3
USP40	3.5	3.3	2.7	3.1	4.8	3.1	2.6	3.3	4.2	3.3	3.6	4.0	3.9	4.9	4.6	3.0	3.1	3.6	4.1	4.4	4.2	3.2	3.5	4.2	3.3	3.2	2.9	3.9	3.5	3.6	3.4	3.4	5.4	4.1	3.8	3.3	4.8	3.2	3.9	3.5
USP46	4.8	5.9	4.7	4.6	5.4	4.5	4.2	6.8	7.9	6.5	6.2	5.1	6.6	8.6	4.7	5.4	7.8	8.2	6.6	5.9	6.3	5.6	8.0	6.2	4.4	5.4	6.8	6.5	4.4	4.3	6.6	7.2	4.5	10.5	5.7	8.9	10.4	11.4	8.3	6.7
USP47	11.9	12.4	11.6	10.7	15.9	10.0	9.8	13.6	13.0	10.8	11.4	9.8	13.4	14.1	10.0	11.0	13.0	12.3	10.8	12.5	11.7	11.3	13.1	11.2	9.5	9.6	11.3	10.4	7.2	9.8	11.4	11.9	12.3	12.8	11.1	14.8	15.0	14.3	13.6	13.0
USP48	8.3	7.8	8.0	7.4	7.9	6.8	5.8	8.2	9.4	7.6	7.8	6.6	8.8	10.4	8.3	7.1	7.7	8.3	8.0	9.6	8.0	7.8	9.3	7.6	6.0	8.2	8.3	7.5	5.0	7.1	6.8	7.9	10.2	7.9	7.2	7.4	7.8	6.2	8.4	8.7
USP5	9.6	11.1	10.2	10.1	11.0	11.0	9.3	11.7	14.5	11.4	13.7	13.8	14.3	18.2	16.7	11.5	14.1	13.6	11.2	13.5	14.6	12.9	11.8	12.9	9.1	11.4	12.6	12.0	11.9	10.9	10.3	13.4	10.5	15.1	10.6	12.0	12.5	12.6	12.1	11.6
USP53	5.6	8.4	8.2	5.7	9.3	6.4	5.0	8.4	8.0	7.2	6.4	5.2	6.6	9.2	4.9	6.0	9.5	7.6	7.8	9.5	6.8	7.2	8.1	6.5	10.5	10.7	14.4	9.4	6.2	7.2	7.4	7.1	14.7	19.1	10.5	21.3	18.2	15.5	14.3	6.2
USP54	6.5	5.7	7.7	9.7	7.8	4.4	4.3	5.8	6.7	7.2	6.9	6.8	5.4	4.1	4.6	8.4	8.5	6.4	6.9	5.6	4.7	6.8	6.0	6.6	7.6	6.6	11.4	6.6	3.1	5.8	9.9	5.5	9.4	9.8	17.2	10.3	7.0	6.7	8.9	9.1
USP7	14.2	13.5	13.2	14.8	14.0	12.5	11.3	15.2	15.8	13.8	13.0	11.2	12.5	14.2	11.7	13.8	13.3	13.7	12.2	13.8	13.3	12.7	13.2	12.6	9.8	13.3	14.9	14.4	8.1	9.8	11.3	15.3	18.0	15.3	13.0	14.8	14.9	14.0	16.0	15.2
USP8	4.7	5.3	5.2	5.0	5.8	4.3	4.0	5.9	5.1	4.5	4.7	4.0	4.8	5.2	3.8	5.0	4.4	5.3	4.9	6.0	5.2	4.6	5.2	4.4	2.9	4.7	5.0	4.4	2.7	3.3	3.8	4.3	6.1	5.6	3.8	5.0	5.6	3.8	5.4	5.6
USP9X	7.8	7.7	6.6	6.0	6.9	6.0	5.3	6.8	9.5	7.1	8.0	6.2	6.5	8.5	5.3	6.5	9.8	7.8	8.6	8.3	7.7	7.2	9.2	6.7	4.5	5.9	6.1	6.1	3.9	4.2	5.1	6.1	8.3	7.7	7.1	7.2	8.2	6.0	7.2	7.6
USP9Y	3.4	0.0	3.7	2.6	3.5	2.9	2.9	3.8	4.7	3.3	3.6	3.4	3.0	4.0	2.2	3.2	0.0	4.3	0.0	4.6	3.0	3.5	0.0	4.0	3.2	3.2	3.8	3.7	2.4	2.3	3.3	3.7	0.1	4.6	0.0	4.7	4.8	3.7	0.0	4.7
USPL1	2.5	2.7	2.9	2.1	3.2	2.3	2.2	2.9	3.2	2.5	2.4	2.7	3.5	2.7	3.1	2.4	2.8	2.8	2.6	3.4	2.7	2.8	2.8	2.9	2.3	3.0	3.1	3.3	2.3	2.5	2.4	2.9	4.7	4.2	2.5	3.5	4.1	2.6	3.4	3.7
UTP11L	6.0	6.5	9.9	7.0	9.6	7.8	5.7	6.5	7.2	6.6	7.6	6.2	7.3	6.2	6.8	6.9	5.4	7.8	6.3	7.0	6.3	6.2	7.3	6.3	5.0	5.6	9.6	6.3	4.2	6.7	7.1	8.8	6.0	7.3	7.3	6.2	6.0	6.8	6.8	6.3
UTP14A	2.8	3.1	2.9	3.9	2.4	2.1	2.0	2.0	3.3	3.1	3.3	3.7	4.1	3.6	3.7	2.9	3.6	3.9	2.6	2.9	4.1	2.9	3.1	2.7	3.0	3.0	3.6	3.7	2.2	3.4	2.8	3.4	4.9	3.5	2.5	2.9	4.6	3.0	3.4	3.8
UTP14C	2.8	2.8	3.1	3.0	2.5	3.1	2.2	2.9	3.9	3.0	3.6	2.3	2.8	4.3	1.9	2.7	3.4	3.8	3.0	4.5	2.7	3.1	3.2	2.9	2.1	2.7	2.1	3.0	1.7	1.5	2.3	2.7	2.8	3.9	3.0	3.4	3.9	2.7	2.7	3.4
UTP18	2.2	2.2	1.7	1.9	2.4	1.7	1.4	1.8	2.6	2.6	2.2	2.2	2.9	2.3	4.0	2.5	2.0	3.0	1.8	3.4	2.9	2.0	2.3	1.8	2.1	3.5	1.9	2.9	2.4	2.2	1.7	2.4	6.5	3.7	2.2	2.7	3.2	2.1	2.3	1.9
UTP3	4.2	4.8	4.6	4.2	4.8	4.5	4.2	4.5	6.2	5.4	5.5	5.4	7.4	8.1	6.7	6.1	6.7	5.3	5.0	6.4	5.5	4.5	6.5	4.4	4.6	4.1	7.8	5.2	4.3	5.1	4.8	7.0	7.6	7.6	4.8	6.1	6.5	4.4	6.3	6.0
UTP6	7.6	6.0	5.2	7.0	7.1	5.2	4.8	5.7	6.3	5.9	6.0	5.1	9.3	8.0	8.8	6.3	6.3	6.1	6.3	7.0	5.5	5.8	5.7	5.0	5.7	7.2	5.9	7.6	5.4	7.5	5.7	6.8	11.1	8.6	7.1	6.6	7.7	6.4	8.1	6.4
UTRN	6.1	6.0	4.6	6.1	6.3	5.5	4.5	5.9	8.8	5.7	5.9	4.0	4.5	7.4	5.6	4.9	6.1	6.1	5.8	8.5	5.6	5.6	5.6	5.3	3.8	6.3	4.1	4.9	3.5	4.4	5.7	5.4	9.7	5.7	5.4	6.9	7.1	4.9	5.7	7.2
UVRAG	2.7	2.9	2.7	2.4	3.3	3.0	2.2	2.3	2.8	2.2	2.9	2.2	3.5	3.2	3.8	3.0	2.7	2.9	2.1	3.4	3.0	2.8	2.7	2.3	2.4	3.1	2.8	2.6	2.0	2.7	2.3	2.4	5.0	3.4	2.2	3.0	3.1	1.9	3.1	3.3
UXS1	7.9	6.4	6.1	6.6	8.2	7.4	7.4	8.5	10.3	6.2	10.4	7.7	8.2	8.1	10.3	8.7	5.6	8.7	8.0	8.2	8.4	8.9	5.9	8.1	6.7	8.4	10.3	9.0	5.5	8.5	7.7	10.1	6.6	8.5	7.1	7.7	7.1	8.3	6.5	8.3
UXT	24.9	28.5	26.1	27.3	32.8	22.4	23.0	28.9	25.1	24.1	27.1	28.8	28.7	34.9	27.8	24.6	29.9	27.4	26.5	24.9	27.3	20.9	23.4	23.0	22.0	19.5	32.7	26.0	23.2	31.5	26.5	22.9	32.6	23.9	26.2	25.0	28.7	23.4	25.7	22.2
VAC14	3.3	4.3	2.9	5.4	4.2	5.4	3.4	4.3	5.0	4.9	4.4	5.5	4.3	6.4	5.5	5.5	4.4	4.6	4.4	4.4	5.4	4.5	5.3	5.6	3.9	3.9	5.5	6.3	4.0	3.5	3.6	4.7	5.7	4.5	3.9	4.1	5.1	4.3	3.9	4.4
VAMP1	2.3	2.4	1.7	2.4	2.3	2.5	1.7	2.2	3.7	1.7	2.9	4.2	4.1	3.3	6.6	2.3	2.0	3.0	3.2	5.3	3.2	2.8	2.8	2.6	2.3	1.6	2.9	2.2	2.3	2.1	2.6	2.0	3.8	2.5	3.0	1.5	2.4	2.0	3.6	2.4
VAMP2	20.5	21.1	16.7	19.0	15.1	19.7	15.2	18.5	22.0	23.0	22.3	23.7	20.2	21.1	29.7	20.8	20.7	18.7	18.9	25.5	20.7	19.1	21.8	21.2	19.6	23.2	21.4	20.1	20.4	24.1	19.3	18.3	26.0	24.6	21.3	16.5	22.5	16.6	21.6	18.1
VAMP3	20.3	20.4	20.6	23.3	26.0	24.1	18.7	22.4	27.0	21.5	24.1	22.7	29.6	32.0	35.8	26.1	28.5	25.0	22.4	24.4	27.6	26.2	21.8	20.3	16.2	23.9	24.7	23.1	20.6	26.1	20.3	25.3	33.3	27.7	22.1	22.8	26.7	26.4	26.0	24.3
VAMP4	1.8	2.5	1.9	2.1	2.5	2.4	2.1	2.1	2.5	1.5	2.1	1.8	1.9	2.2	3.2	1.9	2.0	2.3	1.5	3.0	2.3	1.5	1.8	1.6	1.7	2.2	2.3	2.3	1.9	1.4	1.8	2.0	3.0	1.9	1.3	1.8	2.3	2.0	2.3	2.6
VAMP5	10.6	16.1	13.6	11.3	17.4	12.4	10.1	11.9	12.4	9.1	11.3	12.3	19.1	11.1	22.8	9.0	12.1	9.4	12.4	14.8	20.0	10.5	9.9	9.9	11.6	9.2	16.5	9.0	14.1	13.9	15.0	12.3	24.9	9.7	10.1	11.2	21.1	12.3	14.2	7.6
VAMP7	6.0	6.5	6.8	6.6	6.9	5.9	6.8	7.1	7.9	5.8	6.9	6.4	8.3	9.2	9.3	6.9	7.6	7.6	6.2	8.6	8.3	6.9	6.6	6.2	5.0	6.2	7.5	6.6	5.0	5.3	6.4	7.7	9.5	7.7	5.7	8.0	8.5	7.9	9.5	8.5
VAMP8	4.6	3.6	4.1	4.8	5.2	3.6	5.5	5.2	5.0	2.4	3.5	2.5	6.3	2.3	7.7	3.5	4.6	3.5	3.6	6.9	7.3	3.6	1.3	3.2	2.4	3.0	2.9	2.6	4.3	3.4	1.7	2.7	14.2	3.3	1.5	4.5	3.4	1.7	3.5	3.0
VAPA	11.4	10.5	10.9	10.6	11.9	9.8	9.9	10.2	13.5	12.6	10.5	11.4	12.6	14.0	12.2	12.4	11.4	12.4	11.3	11.6	12.5	11.3	12.9	11.7	9.1	12.5	12.1	12.5	8.0	12.1	10.8	15.2	13.5	13.6	10.8	12.0	13.9	11.9	13.2	12.1
VAPB	6.9	6.4	5.8	6.4	6.3	6.0	6.0	7.4	7.4	6.8	7.5	5.9	6.2	6.8	5.3	7.1	7.6	7.6	6.9	7.3	5.9	6.3	7.1	6.3	4.3	4.9	7.1	7.3	4.3	5.3	5.3	6.3	5.5	6.9	6.4	7.2	6.5	5.4	5.8	7.4
VARS	3.7	4.5	4.0	5.7	5.0	3.4	3.3	3.9	4.7	3.7	4.7	3.9	4.1	5.5	5.8	4.0	4.3	4.3	4.0	5.1	4.9	4.3	3.5	4.4	3.3	4.0	4.5	4.1	4.0	3.9	4.1	5.6	6.0	5.9	2.9	4.6	5.5	5.0	3.9	4.4
VARS2	2.7	3.1	3.0	3.3	3.5	4.5	2.6	2.5	4.7	4.2	4.2	4.1	4.3	3.6	3.5	3.7	2.7	2.7	2.7	4.0	3.4	3.5	3.2	3.6	4.2	3.4	5.2	4.7	3.4	3.1	4.5	4.0	3.6	3.6	2.9	4.8	4.6	3.7	4.3	4.4
VASH1	4.8	4.0	3.4	4.2	7.2	3.7	3.3	4.4	8.0	5.1	6.0	4.8	5.8	6.0	10.4	3.7	3.3	4.6	5.1	10.7	6.5	4.8	4.6	4.7	3.7	5.7	3.4	4.5	8.4	4.2	4.2	4.8	5.5	6.4	4.1	5.4	4.5	4.4	4.3	4.6
VASN	1.7	1.5	1.0	1.8	2.5	2.6	1.2	1.3	2.3	1.7	1.5	1.8	1.7	2.8	5.9	1.5	1.6	0.7	1.2	2.7	4.2	1.9	1.0	1.7	1.5	2.2	1.0	1.8	1.3	1.4	1.0	1.9	5.2	4.1	1.2	2.5	1.2	1.9	1.9	2.2
VASP	8.4	7.5	8.6	9.0	8.2	7.5	8.4	9.4	9.3	6.3	4.9	5.7	8.1	9.3	11.8	7.1	8.2	7.3	7.8	9.3	8.4	6.6	5.7	5.9	5.5	8.2	7.6	7.3	7.1	10.5	8.7	13.0	16.9	14.3	8.0	8.1	7.4	12.0	7.7	5.0
VAT1	21.3	16.7	13.5	12.5	20.4	13.6	14.3	14.9	21.1	13.4	15.5	15.5	18.5	20.1	42.0	17.4	19.4	15.3	17.7	22.7	23.4	19.6	13.6	14.3	11.9	22.4	17.3	19.5	15.9	19.5	17.6	16.4	52.3	18.6	13.2	17.7	18.5	16.3	15.0	14.9
VAT1L	2.7	5.9	2.1	8.8	6.1	4.9	0.7	2.3	6.8	5.7	3.6	7.8	7.4	10.1	10.4	2.3	6.6	3.2	3.8	7.7	1.2	5.8	2.9	3.7	3.8	12.7	3.6	5.7	8.3	4.5	5.1	3.1	3.9	7.5	5.7	2.4	3.2	4.8	4.1	0.6
VAV2	1.0	1.4	0.8	1.5	1.8	1.4	1.2	1.0	2.2	1.4	2.1	1.5	2.7	1.8	3.3	1.8	1.5	1.8	1.6	3.4	2.1	1.3	1.3	1.3	1.1	2.4	1.3	1.4	3.0	1.2	1.9	2.2	2.8	2.5	1.6	2.1	1.9	1.4	1.3	1.6
VBP1	21.2	20.4	19.7	19.5	17.0	17.6	18.4	18.8	19.8	21.1	23.4	19.8	21.0	24.0	16.9	22.1	17.7	22.3	16.4	21.0	20.0	19.1	19.5	16.8	13.1	16.2	21.6	19.8	13.1	19.6	16.1	20.8	15.5	24.0	16.0	18.5	20.8	16.2	21.2	19.4
VCAM1	1.4	1.1	0.8	0.7	2.1	0.9	1.1	1.6	3.2	2.0	1.1	0.9	4.4	2.1	5.9	0.6	2.6	1.5	1.7	2.4	2.5	1.4	1.8	1.3	0.8	2.5	1.1	0.8	2.1	2.1	1.1	1.0	7.2	0.8	0.4	0.4	0.8	0.8	1.3	1.3
VCAN	5.4	2.6	3.4	6.0	6.3	4.5	4.7	8.2	16.0	9.6	8.7	4.5	13.7	15.0	28.2	3.5	9.4	7.4	10.4	23.9	16.6	7.4	4.0	6.2	6.0	24.5	4.0	5.9	19.0	3.4	2.2	9.6	12.8	16.5	3.4	9.3	7.4	8.4	2.3	4.2
VCL	56.3	99.7	79.5	70.9	88.1	49.9	62.2	58.6	55.1	68.1	59.9	50.4	65.4	112.9	56.6	79.9	100.1	67.6	64.0	48.6	82.3	63.1	74.9	57.4	40.7	53.0	107.1	82.1	32.7	54.0	79.9	74.5	96.8	88.2	59.9	124.5	111.2	135.4	114.7	57.9
VCP	50.2	59.2	60.0	52.9	58.6	52.4	48.3	49.0	67.1	56.8	65.2	68.0	69.1	72.5	56.2	59.1	57.9	65.5	56.5	58.6	66.7	59.3	62.1	60.3	45.8	50.5	68.4	61.5	46.2	66.3	70.3	74.4	48.2	70.1	54.7	85.1	65.1	91.4	93.7	61.4
VDAC1	161.7	151.3	155.3	143.6	151.2	152.4	142.8	162.5	133.9	143.5	160.0	178.2	158.6	147.7	105.0	154.8	122.2	149.1	137.9	127.2	132.9	137.7	156.6	162.8	96.9	120.4	154.9	166.6	105.6	152.5	116.2	156.7	81.0	139.0	142.3	131.0	164.8	121.4	134.6	157.2
VDAC2	112.1	120.9	120.1	113.1	110.5	109.6	93.7	108.7	114.1	117.3	135.0	125.5	124.2	130.6	90.4	115.8	94.9	119.7	108.5	101.1	107.9	116.4	119.4	122.9	78.7	103.4	130.2	120.1	77.5	128.3	106.5	116.8	76.2	118.5	114.9	111.5	120.2	97.1	116.4	132.0
VDAC3	104.3	99.5	108.0	94.1	96.2	95.5	99.0	102.5	102.9	92.0	131.9	102.3	120.8	106.7	84.0	108.5	86.6	118.0	96.8	100.7	100.5	106.0	110.3	102.2	80.4	72.1	114.1	106.3	79.7	135.7	98.0	115.9	60.1	98.1	104.2	100.8	105.0	79.8	103.0	114.1
VEGFA	40.1	42.0	33.1	29.8	40.3	52.4	27.2	35.1	36.7	46.2	48.0	50.0	22.3	30.9	29.2	45.4	26.0	40.4	42.9	38.1	41.7	35.9	39.1	49.6	26.4	74.3	34.6	39.9	22.7	26.4	45.4	44.8	31.5	31.3	38.0	34.8	32.4	27.8	28.2	39.7
VEGFB	52.6	52.7	36.0	54.1	63.2	59.5	52.0	73.1	66.3	63.0	66.0	63.8	59.2	83.1	87.3	54.4	55.8	57.5	59.4	66.5	65.5	53.6	57.2	73.8	49.9	68.3	52.6	59.0	47.4	63.1	53.1	63.4	79.0	67.2	50.9	49.4	58.4	43.3	44.8	58.0
VEGFC	2.3	1.3	1.0	2.3	2.5	1.8	0.8	1.2	3.3	4.1	2.5	1.9	2.1	3.2	3.6	4.1	3.0	2.7	3.2	5.0	2.9	2.6	1.5	2.3	1.2	4.3	0.2	2.2	2.1	2.7	2.8	1.5	4.8	1.5	1.5	1.2	1.3	0.6	1.3	2.2
VEZF1	8.7	12.5	8.8	8.6	14.0	9.0	7.7	12.2	12.6	8.9	8.0	8.1	8.6	11.4	9.9	12.6	10.5	9.4	9.4	12.1	9.4	9.6	9.9	10.0	11.5	11.1	11.9	11.2	7.0	6.9	9.3	10.2	12.9	15.0	12.5	11.5	17.2	11.0	15.6	12.5
VEZT	8.1	8.1	6.7	7.3	8.8	8.0	6.0	9.0	10.1	8.7	8.3	10.1	10.5	11.2	8.6	9.1	9.7	9.7	8.1	11.0	8.3	8.4	9.6	10.4	7.2	9.0	9.8	9.5	6.6	7.0	6.7	8.0	10.7	10.2	8.6	8.4	10.4	8.4	9.4	9.7
VGLL4	5.2	5.1	4.0	4.4	6.9	6.1	4.3	6.3	8.4	6.5	6.8	6.6	8.4	9.1	13.8	8.9	6.7	6.7	7.2	10.9	7.8	6.9	6.4	7.3	5.7	10.0	6.6	7.3	6.8	6.7	7.1	6.9	12.2	6.6	5.1	5.6	6.5	6.3	7.0	7.1
VIM	127.8	93.9	100.7	96.4	225.0	154.3	97.6	151.5	262.8	152.6	159.9	113.4	201.0	237.1	788.1	142.3	189.0	132.1	159.5	373.1	461.1	167.6	148.8	108.9	159.5	308.1	123.7	142.6	229.9	165.1	105.4	155.1	617.7	225.5	108.2	142.8	143.5	146.3	212.8	122.3
VIPAR	3.3	5.1	4.6	4.9	5.0	5.4	3.7	4.7	5.4	5.9	6.1	7.1	6.7	7.1	5.0	5.1	5.2	6.8	6.3	6.7	6.5	6.6	5.8	6.6	4.5	5.3	6.7	6.9	4.5	8.1	4.6	5.6	6.9	5.2	5.2	5.7	6.2	5.0	6.4	6.3
VIPR2	3.2	3.1	2.5	8.7	2.1	3.9	3.4	3.0	2.6	2.0	2.9	3.6	3.3	3.7	4.0	2.6	3.2	4.3	2.7	2.7	3.2	2.4	2.7	2.7	2.3	2.6	2.9	4.6	2.2	2.7	3.9	2.4	2.5	3.4	2.9	2.3	5.3	2.1	2.8	2.7
VIT	5.7	8.2	5.6	5.7	6.2	7.5	8.7	9.5	5.4	2.0	3.9	1.4	7.9	3.3	13.9	8.4	2.1	3.3	4.3	6.1	13.0	5.2	3.5	2.5	7.1	3.3	9.0	4.5	2.7	7.9	1.4	2.8	13.5	7.5	4.3	7.4	8.7	4.7	10.8	7.0
VKORC1	10.2	11.1	9.6	13.6	22.3	14.5	10.7	11.5	19.5	16.3	12.8	17.0	24.7	28.1	34.4	14.5	16.2	11.9	14.7	22.6	23.5	16.7	13.5	15.9	12.7	25.3	11.7	12.4	17.1	20.3	12.0	13.2	23.3	20.2	12.3	11.6	18.0	15.2	12.4	12.7
VKORC1L1	3.8	4.1	3.8	3.8	3.2	1.9	2.8	3.9	3.3	3.1	4.1	3.1	4.1	4.2	2.9	2.8	5.5	3.6	4.1	4.5	6.3	3.1	3.0	2.7	1.7	3.8	4.0	3.5	2.5	1.8	3.0	4.2	4.5	4.7	3.1	3.3	4.5	4.8	3.2	4.8
VLDLR	26.3	21.7	21.1	35.3	24.1	22.0	16.0	38.7	28.0	29.4	25.0	23.4	18.7	29.7	14.2	21.2	25.8	26.8	23.7	20.0	25.5	24.5	24.4	23.8	15.6	28.9	23.6	24.9	15.6	19.8	22.1	28.2	14.7	28.4	28.8	23.3	35.3	26.5	26.9	29.9
VMP1	9.6	7.7	9.1	11.9	10.4	10.2	10.9	8.4	11.1	8.9	7.4	8.0	13.7	10.9	12.2	9.9	11.1	8.8	8.6	11.5	10.5	8.0	7.8	7.6	11.3	18.4	10.0	9.0	9.2	20.4	7.3	12.8	32.5	15.0	8.8	10.3	16.0	11.1	14.2	9.4
VOPP1	3.7	5.2	4.4	6.6	8.0	5.5	4.6	6.1	9.3	5.8	5.9	6.4	8.5	11.6	11.7	5.4	7.6	7.0	6.9	8.6	8.4	5.8	5.6	5.2	4.8	6.4	4.0	5.4	7.5	6.0	5.6	8.3	11.0	7.5	3.6	6.1	6.8	6.1	5.5	5.2
VPRBP	2.4	2.5	2.5	3.7	2.3	2.4	1.9	2.8	2.9	2.8	2.5	2.4	2.5	2.7	2.6	2.9	2.5	2.8	2.9	3.3	2.9	2.5	2.3	2.7	1.7	2.6	2.7	3.0	2.1	1.2	2.1	2.6	3.3	3.2	2.1	2.5	3.1	2.8	3.1	3.2
VPS11	6.5	7.5	5.3	5.5	7.3	7.4	4.9	6.3	8.0	5.9	6.9	7.1	7.9	7.9	9.7	7.6	6.9	6.7	7.7	9.0	7.4	6.8	6.0	6.7	5.5	6.5	9.6	9.2	5.5	7.0	6.4	7.6	8.9	6.5	6.3	5.9	8.3	5.7	7.9	8.6
VPS13A	4.3	2.2	2.8	1.9	2.2	2.9	2.2	2.0	2.8	2.2	2.3	1.7	1.7	2.5	1.1	2.2	2.8	1.7	2.2	3.4	2.1	2.9	2.6	1.7	1.7	2.0	2.6	1.8	1.1	1.2	1.5	1.9	2.6	2.4	1.5	2.9	2.7	2.3	2.5	2.3
VPS13C	2.8	2.8	2.5	2.2	2.5	2.4	2.3	2.5	3.1	1.8	2.7	1.8	2.2	2.3	1.9	2.2	2.4	2.7	2.4	3.8	2.3	2.2	2.2	2.5	1.7	2.1	2.0	2.3	1.4	1.7	2.1	2.2	3.4	2.9	2.2	2.6	2.9	1.8	2.4	3.0
VPS13D	7.9	8.1	8.2	12.6	8.8	5.8	10.1	7.1	8.2	5.8	11.7	5.0	5.2	6.0	3.8	7.3	6.5	6.7	7.0	6.2	7.9	7.5	7.8	6.3	4.5	5.2	10.8	8.8	3.0	5.9	7.0	6.9	8.2	7.3	8.7	13.5	12.1	13.2	20.1	10.4
VPS16	4.2	4.1	3.6	6.1	4.8	4.4	4.2	4.0	5.7	4.6	4.7	5.1	4.9	5.8	6.6	4.7	4.9	4.9	5.0	5.8	5.7	4.6	4.2	4.9	4.6	4.8	3.8	5.7	3.8	5.3	5.4	6.5	7.3	5.4	5.0	4.6	4.9	4.5	5.3	4.2
VPS18	3.6	4.4	4.1	3.3	4.5	4.4	3.2	4.3	5.0	4.0	5.4	4.6	3.9	4.7	4.6	4.2	3.6	4.4	3.6	4.8	5.1	3.8	4.7	5.1	3.5	3.9	5.1	4.6	4.0	4.2	3.0	4.2	3.2	3.8	3.1	3.6	4.2	3.6	3.8	3.3
VPS24	21.2	19.4	19.3	21.3	24.2	18.5	20.7	20.2	21.1	18.9	20.8	16.5	19.4	22.4	22.7	20.8	20.3	20.9	17.6	21.7	18.2	20.5	19.4	19.2	14.6	19.5	25.2	19.5	15.8	17.4	18.2	22.3	21.7	23.6	21.5	23.1	26.0	21.0	24.8	22.2
VPS25	10.5	12.0	13.2	11.2	12.0	15.4	13.1	11.3	13.9	13.2	19.4	15.8	12.8	13.3	14.5	13.0	13.9	14.7	11.6	14.4	13.4	12.9	13.5	12.8	10.9	9.7	15.4	15.9	10.5	14.2	12.2	13.8	13.3	12.2	13.1	12.8	15.2	11.7	14.1	11.5
VPS26A	9.0	9.3	8.2	9.9	11.2	6.9	8.0	8.9	10.8	8.6	9.2	7.9	10.9	10.4	9.5	9.5	9.2	8.2	8.0	9.8	9.0	7.3	8.3	7.3	7.3	10.7	10.2	8.6	7.5	7.1	6.4	8.4	15.3	10.8	7.1	8.3	8.7	7.1	9.5	8.9
VPS26B	8.5	9.9	7.4	10.3	9.2	9.1	8.4	9.7	10.0	8.2	9.9	9.5	9.8	11.6	11.4	9.5	9.3	9.5	10.0	9.2	10.1	9.1	9.0	8.8	6.7	8.0	10.7	10.1	7.7	7.4	7.9	8.8	9.1	9.8	8.8	7.6	11.7	6.7	9.0	10.2
VPS28	32.8	28.8	28.5	33.9	32.5	32.4	31.7	29.8	39.4	35.1	32.9	36.3	45.8	39.5	43.7	28.6	33.0	28.1	35.9	32.3	39.9	31.0	30.9	37.4	34.4	30.7	34.4	39.6	41.9	40.3	36.7	34.9	38.9	35.8	38.3	29.9	36.6	30.8	34.3	32.0
VPS29	28.7	25.9	25.0	30.5	30.8	21.8	24.1	21.7	24.4	20.6	25.2	24.4	26.7	23.9	24.4	23.3	22.7	26.4	21.3	24.6	28.8	24.3	26.4	24.7	18.8	21.3	28.9	25.8	17.5	25.8	23.3	27.7	24.5	26.4	26.1	29.4	27.6	27.3	30.7	26.2
VPS33A	1.9	2.3	3.0	1.8	2.6	2.8	1.9	2.2	2.9	2.5	3.0	3.2	3.2	3.3	2.7	3.0	2.2	3.2	2.8	3.4	3.0	2.6	2.9	2.4	2.0	1.7	2.6	2.4	1.5	2.0	1.6	2.8	3.1	2.8	1.4	2.3	2.2	1.9	3.0	3.0
VPS35	21.3	20.6	15.4	18.0	19.7	19.8	15.6	21.9	23.3	23.5	22.3	19.3	27.0	24.0	16.6	23.9	21.3	25.3	22.1	22.1	22.8	21.6	23.1	21.1	13.9	18.3	19.9	20.2	14.8	16.0	16.1	21.1	21.4	24.5	20.9	18.7	22.6	18.0	22.5	21.2
VPS36	7.7	9.9	8.5	10.6	8.9	8.6	9.4	10.2	10.8	9.6	8.7	7.5	8.8	8.3	5.3	9.2	8.7	10.9	8.7	10.2	8.6	9.4	9.6	8.0	6.5	8.6	8.0	9.5	5.4	5.6	7.5	9.9	9.4	11.1	9.2	9.0	11.0	7.8	8.6	10.6
VPS37A	6.1	6.7	6.1	6.0	7.6	6.9	5.6	6.0	7.5	6.4	7.2	7.3	7.8	8.8	5.4	7.0	6.8	8.3	6.7	7.9	7.4	6.9	7.1	7.7	5.5	5.9	8.3	8.6	4.7	5.8	5.8	7.6	6.7	8.2	6.5	7.6	8.2	7.5	8.3	7.6
VPS37B	5.7	5.8	7.2	7.1	4.6	5.3	7.6	5.8	7.0	5.8	5.5	5.2	4.7	6.4	5.8	6.4	5.0	4.3	4.9	5.0	5.0	5.2	5.4	4.7	6.1	6.6	7.8	5.7	2.9	7.8	5.3	6.8	11.0	6.2	7.1	4.8	5.3	5.4	6.6	7.0
VPS37C	2.4	3.4	3.1	4.3	4.1	3.6	3.0	3.2	3.8	3.5	3.7	3.9	3.3	5.4	5.4	3.7	4.1	2.8	3.7	4.2	4.3	2.8	3.8	3.2	3.0	4.0	4.0	4.0	4.1	4.1	3.3	4.9	5.3	5.7	2.5	4.5	3.9	5.1	4.8	3.5
VPS39	11.1	13.3	11.0	11.3	13.7	14.5	12.3	13.4	14.9	13.3	14.7	15.4	15.9	15.8	16.1	15.0	13.3	15.4	14.0	16.1	15.3	14.8	15.0	14.2	11.5	11.1	14.6	15.8	11.7	11.8	12.1	13.2	14.2	15.0	12.6	13.2	14.5	13.8	17.0	13.8
VPS41	4.4	4.2	3.9	3.8	4.4	4.3	3.6	4.2	5.6	5.8	5.8	4.6	5.6	5.9	4.9	5.1	5.5	7.7	5.3	6.7	5.4	5.4	5.7	5.4	3.3	4.9	4.6	5.6	3.8	4.4	3.4	4.7	6.2	6.8	3.7	5.3	6.3	5.2	5.0	5.2
VPS45	12.0	12.6	12.4	13.4	13.2	11.9	11.5	13.8	12.9	13.4	16.2	14.1	16.2	17.3	15.4	13.6	16.1	17.7	14.4	14.9	12.1	15.1	13.8	15.4	9.8	12.7	14.9	16.6	10.8	15.3	14.1	13.5	11.0	17.0	13.1	12.1	15.8	14.8	14.6	13.9
VPS4A	24.3	26.1	24.1	27.6	26.4	24.9	23.2	23.9	26.7	27.3	25.4	27.1	26.5	27.5	28.3	25.6	27.5	23.8	27.3	20.8	23.9	21.8	28.5	25.5	20.2	24.2	30.0	25.9	18.8	24.6	22.2	25.0	31.3	29.1	26.9	25.9	26.3	23.9	30.2	24.7
VPS4B	3.4	4.2	4.4	3.5	5.0	4.4	3.6	4.7	5.5	3.4	5.1	3.0	5.4	5.8	5.5	4.5	4.6	4.9	4.2	6.6	5.3	3.8	4.5	4.2	3.0	3.5	4.6	5.0	3.8	3.6	4.0	4.9	7.2	4.9	3.9	5.0	5.0	4.6	5.5	5.4
VPS52	9.9	9.1	9.1	10.0	9.9	11.6	8.0	9.4	11.0	10.2	10.2	11.7	12.2	11.2	14.6	10.6	9.6	11.2	10.7	11.9	10.0	10.4	10.4	11.8	8.4	9.7	11.7	11.8	9.1	10.9	9.5	11.1	11.3	10.3	8.8	9.6	12.2	7.9	10.9	10.7
VPS54	3.1	3.2	2.8	3.5	3.4	2.7	2.4	3.7	3.4	3.2	3.1	2.8	3.5	4.5	3.1	3.0	3.6	3.4	3.2	4.1	3.4	3.0	2.8	3.3	2.5	3.7	3.8	2.8	1.8	2.7	2.7	3.4	4.7	4.2	2.6	3.5	4.6	3.4	3.4	4.3
VPS72	8.3	10.3	8.8	9.3	8.4	10.5	9.1	9.7	11.2	10.2	10.3	9.8	12.4	13.0	13.6	10.8	9.3	9.8	10.4	11.4	12.5	10.5	11.7	11.1	9.1	9.8	12.4	10.0	9.7	13.6	11.1	11.7	12.8	11.5	11.1	10.7	12.4	10.7	9.5	11.2
VPS8	8.4	11.8	8.4	7.8	8.9	10.2	7.9	10.9	11.4	12.7	13.8	22.3	10.9	11.5	7.7	9.4	9.2	15.4	12.3	12.8	11.0	11.6	11.0	16.4	9.1	12.3	11.9	12.0	6.2	9.4	10.2	9.4	8.5	12.3	11.6	9.7	12.3	9.2	9.8	11.7
VRK2	6.9	6.3	5.9	6.7	6.6	4.5	5.9	6.0	6.9	5.3	6.2	4.8	5.9	5.7	4.8	5.9	6.2	5.8	5.4	6.1	5.2	5.3	5.7	4.7	3.1	5.7	5.4	6.2	3.5	5.2	5.9	5.2	7.1	5.4	6.2	5.8	6.8	4.5	6.0	5.4
VRK3	3.9	4.4	3.3	4.0	4.5	4.1	2.6	3.8	4.7	5.2	3.3	4.8	5.9	4.5	5.3	4.5	5.0	5.3	5.1	5.0	5.3	4.5	5.9	5.6	4.3	4.6	4.9	5.4	4.6	4.6	3.9	5.6	6.5	5.5	5.1	5.1	6.2	6.0	5.5	4.3
VSIG4	10.6	11.0	6.9	8.0	38.9	13.8	9.9	20.4	12.3	4.4	1.5	0.6	15.7	1.6	14.8	10.8	11.3	6.6	7.6	10.9	11.8	3.9	1.3	1.7	0.9	3.6	5.6	3.6	1.4	3.9	0.6	3.2	17.6	7.2	1.7	10.6	9.4	8.0	8.8	5.0
VSNL1	3.3	3.5	2.7	1.9	2.7	2.7	4.6	6.1	5.9	5.3	5.4	5.0	5.5	7.2	4.5	6.9	3.9	7.6	5.9	6.6	4.6	4.4	3.8	6.3	4.0	4.8	4.0	6.3	4.1	5.6	3.2	4.6	2.1	5.9	4.6	3.1	6.3	3.3	5.7	4.2
VSTM2L	4.5	1.6	1.6	2.1	15.9	7.4	3.0	3.0	3.9	0.5	1.4	2.3	2.7	2.3	5.5	3.4	1.8	2.6	1.3	6.2	2.7	1.7	1.3	1.5	7.0	1.3	1.9	1.6	4.1	3.1	2.4	2.9	1.9	5.7	1.6	3.5	3.9	2.6	1.5	1.2
VTA1	5.6	7.2	6.2	6.1	6.0	6.4	5.7	6.1	6.7	6.6	7.4	7.0	6.6	7.8	6.0	7.1	5.7	8.1	5.9	6.6	7.1	7.1	8.0	6.6	4.4	5.2	7.0	8.5	4.2	6.0	6.6	7.4	5.8	6.5	6.4	7.6	7.5	6.6	8.1	7.7
VTI1A	2.0	2.1	2.3	2.5	2.6	2.0	1.9	2.4	3.2	2.0	3.2	1.9	2.0	3.0	1.6	2.6	2.0	2.8	2.3	2.6	2.4	2.2	2.4	2.5	1.5	1.9	2.0	2.4	1.4	1.4	2.0	2.5	2.8	2.7	2.1	2.9	2.6	2.4	2.6	2.9
VTI1B	23.3	25.4	22.2	25.3	26.0	25.4	23.8	25.6	30.3	34.1	25.3	27.1	32.1	39.3	24.9	23.5	30.5	27.2	26.2	25.4	32.3	24.4	27.7	22.1	19.5	25.0	28.4	27.8	22.5	29.4	23.8	25.5	24.0	30.8	24.4	23.6	28.3	26.2	30.3	23.6
VTN	24.5	23.6	11.0	11.9	21.4	14.3	14.0	12.6	19.7	24.6	21.2	23.2	20.6	26.9	24.5	12.0	37.8	8.7	20.1	14.0	31.0	18.7	36.3	17.7	10.2	22.3	26.7	17.6	6.6	32.5	24.5	16.6	22.7	19.9	7.2	12.4	23.3	18.7	19.4	13.5
VWA1	1.6	1.9	2.7	4.5	2.8	1.6	1.7	1.8	3.8	3.1	2.8	3.2	3.5	5.6	6.5	1.5	4.6	2.0	2.9	2.7	4.2	1.5	2.6	2.5	2.5	3.1	1.4	3.0	3.7	2.2	2.6	4.3	4.6	4.7	1.9	1.8	2.0	3.1	1.7	1.6

ZBTB5	1.6	2.0	1.8	1.8	2.1	1.9	1.7	2.0	2.2	1.9	2.0	2.0	2.4	2.4	1.8	1.8	1.6	2.3	1.9	3.1	2.1	2.1	2.0	2.1	1.7	2.0	2.1	1.9	1.3	1.6	1.9	2.0	2.8	2.4	1.8	1.8	2.7	2.0	3.0	2.2
ZBTB7A	3.5	3.7	3.4	4.0	3.4	3.4	2.7	4.5	4.6	4.4	3.1	3.2	3.0	3.9	5.8	4.6	3.4	3.6	3.8	4.3	3.3	3.5	3.7	4.1	2.8	3.5	4.5	3.9	2.7	2.8	3.3	3.9	4.9	5.3	2.8	3.5	3.9	4.1	4.4	3.4
ZBTB7B	5.4	8.3	6.5	11.3	6.0	7.8	8.0	6.6	7.2	6.3	6.1	4.6	6.4	9.3	7.3	7.0	5.7	4.5	4.5	6.4	7.0	6.0	5.0	6.1	5.1	4.9	8.1	6.2	5.8	5.8	7.1	8.7	8.0	10.0	4.5	8.6	9.4	10.2	11.7	5.9
ZBTB8OS	6.0	7.8	6.0	6.5	6.6	6.6	7.3	8.5	6.1	5.1	4.8	5.8	6.7	6.2	6.0	5.8	4.7	6.1	6.3	6.8	6.8	5.9	10.4	5.2	4.5	4.6	6.6	5.6	5.2	6.4	6.1	6.2	7.1	4.9	4.1	4.9	5.3	2.8	7.8	6.4
ZC3H11A	18.0	16.4	14.0	17.7	18.2	16.3	13.7	17.7	20.4	16.2	16.1	13.3	19.1	18.9	17.0	14.8	17.3	17.9	17.6	23.1	18.7	15.9	15.8	15.9	16.9	18.2	15.6	16.0	13.6	14.3	16.2	16.3	29.5	22.1	19.2	17.4	23.8	15.3	19.1	18.2
ZC3H12A	0.8	1.0	0.9	1.1	1.3	1.5	0.9	0.7	1.5	1.9	1.3	1.1	2.0	1.4	1.9	1.5	1.3	1.1	1.1	2.2	1.3	1.4	0.8	0.7	2.2	2.8	2.1	2.3	0.8	3.7	0.7	0.9	9.3	5.0	1.6	2.4	3.6	2.9	2.2	0.6
ZC3H13	4.1	4.5	4.6	4.8	3.8	3.8	3.7	5.7	5.9	5.0	5.1	3.2	4.2	5.0	3.5	4.8	5.5	5.4	5.6	6.7	4.1	4.5	5.1	5.1	3.7	4.0	5.0	3.7	2.8	2.7	3.7	4.7	6.1	5.8	4.5	6.9	6.0	4.1	4.2	5.9
ZC3H14	7.1	6.4	5.8	6.8	6.7	6.3	5.2	6.5	7.8	7.5	6.4	6.7	7.3	6.1	6.7	7.1	7.0	8.2	7.4	8.5	7.5	6.9	7.6	6.6	5.3	6.9	6.1	7.0	4.7	5.7	4.7	5.5	9.2	7.8	6.2	6.3	8.3	6.4	7.6	7.8
ZC3H15	11.9	11.2	12.0	13.8	12.9	11.3	11.5	13.1	14.7	13.9	12.7	12.1	16.6	15.9	16.3	14.7	15.1	13.4	12.3	12.9	14.1	12.1	15.2	13.5	10.0	16.8	13.9	13.5	10.7	12.9	12.4	13.7	19.4	17.6	11.4	14.2	15.8	11.9	15.4	14.2
ZC3H18	3.7	4.8	4.0	5.1	4.7	3.9	3.6	4.3	5.5	4.1	4.6	4.8	5.8	5.6	7.1	5.0	4.3	4.6	4.7	4.4	5.0	4.4	5.1	5.1	4.2	5.7	5.7	6.3	3.4	5.0	4.9	5.4	8.7	6.0	4.4	5.1	6.2	5.2	6.0	4.9
ZC3H3	2.3	2.2	1.7	2.2	1.6	3.0	2.4	2.2	2.1	2.3	2.1	2.4	2.6	2.9	3.3	1.8	2.8	2.5	2.1	1.9	3.3	2.0	2.4	2.4	1.6	2.9	2.8	3.2	1.9	1.9	2.7	2.3	4.3	4.0	2.1	2.2	3.4	2.3	2.9	2.3
ZC3H4	2.5	2.3	2.3	2.1	2.7	2.8	2.2	2.9	3.1	2.4	2.9	2.6	3.1	4.2	4.3	3.0	3.3	2.8	2.7	3.3	3.6	2.6	3.4	3.2	2.8	2.9	3.5	3.4	2.7	3.0	2.8	2.9	4.5	3.8	3.3	3.9	4.0	2.8	4.1	3.1
ZC3H7A	6.6	8.2	7.4	7.7	10.2	8.9	6.0	9.3	9.1	8.0	6.8	6.8	9.5	9.8	10.3	7.7	8.3	8.0	7.8	9.4	8.7	8.9	9.2	7.7	5.9	7.9	9.4	9.1	6.0	7.9	7.6	9.1	12.2	9.6	7.1	9.8	10.9	9.3	10.6	8.0
ZC3H7B	8.7	10.2	8.7	10.3	11.4	7.8	8.0	10.6	11.3	9.7	10.4	8.6	10.2	11.5	13.6	10.4	9.6	9.9	10.3	11.2	11.6	10.2	10.1	10.1	6.3	9.5	11.8	12.9	7.3	6.6	8.2	10.0	11.6	11.8	9.6	10.0	13.0	11.1	11.0	10.6
ZC3H8	2.3	2.7	2.2	2.2	1.7	2.0	2.0	2.1	2.4	2.2	2.2	2.4	2.7	3.0	1.6	2.2	3.1	3.6	2.4	2.3	3.2	2.0	4.0	2.8	1.6	1.5	1.7	2.4	1.8	1.7	1.7	2.3	2.2	2.5	1.8	3.8	2.0	2.0	2.8	2.9
ZC3HC1	5.7	5.6	6.8	6.0	5.6	5.1	4.5	4.9	5.9	5.1	5.1	6.2	6.4	6.8	6.4	5.1	4.7	4.9	5.5	6.0	5.3	5.2	5.7	5.4	4.8	4.6	5.7	5.3	4.8	6.5	6.1	6.0	5.1	5.2	5.2	5.3	6.3	4.0	4.9	5.5
ZCCHC10	2.5	2.6	2.6	2.6	2.1	2.4	1.8	2.3	2.9	2.7	2.4	2.6	3.1	4.2	3.4	3.0	2.0	2.9	2.3	2.9	2.8	2.3	3.2	2.6	1.5	2.5	2.5	3.7	2.3	3.9	2.7	3.7	3.5	3.2	2.5	3.3	3.6	3.4	3.2	2.8
ZCCHC11	4.5	5.0	3.9	4.1	5.0	4.1	4.3	4.3	4.8	3.9	3.4	3.2	3.1	4.4	3.0	4.5	4.2	4.7	4.3	5.5	3.8	3.8	4.6	4.0	3.6	3.7	3.7	4.2	2.3	2.9	3.4	4.2	5.9	4.2	3.9	5.1	5.1	4.7	4.6	4.9
ZCCHC14	2.5	2.6	2.5	2.9	3.7	2.9	2.3	3.2	4.4	2.4	3.1	2.8	2.8	3.5	4.3	2.6	2.5	3.2	2.9	4.5	3.5	2.7	2.7	3.1	2.9	3.9	3.1	2.8	2.9	2.1	3.8	3.8	5.7	4.1	3.0	3.2	4.2	2.8	3.2	4.0
ZCCHC17	8.3	8.4	9.8	8.9	8.9	10.4	8.3	11.0	9.6	10.9	12.5	12.6	12.6	10.6	12.0	11.9	9.7	10.8	10.9	10.3	11.0	9.0	10.8	10.0	8.7	9.2	11.5	12.9	9.1	15.3	10.4	9.1	9.0	12.2	10.3	11.1	12.5	11.6	12.4	9.7
ZCCHC2	2.3	2.1	2.3	2.4	3.4	2.5	1.9	2.5	3.0	3.1	2.4	2.2	3.0	3.5	2.7	2.7	3.4	3.2	2.6	3.0	2.6	2.9	2.6	2.8	2.2	2.9	1.8	2.0	1.0	1.2	1.8	2.1	4.4	3.8	2.6	3.0	2.8	2.7	2.3	3.0
ZCCHC24	9.0	9.1	7.7	16.2	10.1	9.1	6.8	9.5	12.3	9.0	10.3	9.0	13.5	12.0	19.5	10.8	11.4	12.2	10.8	14.5	12.9	11.8	12.1	9.7	6.3	8.9	8.2	9.4	12.0	6.1	7.9	11.0	10.7	12.7	8.9	10.7	9.0	12.1	9.3	10.7
ZCCHC6	2.3	2.1	1.7	2.1	2.3	2.2	1.7	2.9	3.1	2.3	2.5	1.4	2.1	2.2	1.7	2.2	2.4	2.4	2.5	3.3	2.1	2.2	2.1	2.2	1.9	2.3	2.4	1.9	1.2	1.5	1.8	2.5	4.4	3.2	2.1	3.5	3.8	2.2	2.8	3.3
ZCCHC7	1.7	1.8	1.6	1.4	2.3	1.3	1.6	1.7	2.3	1.7	2.3	1.9	3.0	2.6	4.3	1.5	2.3	2.0	1.3	2.9	2.3	1.5	1.8	1.7	1.4	2.8	2.2	2.4	1.6	1.8	1.6	2.8	5.3	2.4	1.7	2.5	2.0	1.6	2.2	2.2
ZCCHC8	3.5	3.9	2.4	3.7	4.1	3.6	2.7	3.8	5.4	4.3	3.5	3.2	3.8	3.8	5.5	3.7	4.2	3.5	3.7	5.0	4.1	3.3	3.7	3.5	4.2	6.1	4.5	4.3	3.3	4.6	3.3	3.4	9.6	6.4	5.1	5.5	5.2	4.2	5.0	4.0
ZCCHC9	2.6	5.3	2.6	4.4	3.0	2.8	1.9	3.8	4.4	3.5	2.9	3.6	7.1	4.9	7.5	4.1	4.7	4.2	3.8	5.6	5.1	3.5	4.1	3.5	3.0	3.7	4.0	4.3	5.4	3.9	7.0	3.6	6.8	5.4	3.4	5.6	4.9	4.1	3.8	3.8
ZCRB1	11.9	11.5	10.1	13.7	11.7	9.8	10.3	12.2	12.9	11.7	11.1	11.2	12.2	11.6	13.4	11.9	12.3	12.1	11.2	11.6	11.8	10.5	12.6	10.0	9.7	11.2	11.9	11.4	8.2	14.2	9.3	11.2	10.7	12.9	11.5	10.4	11.0	10.2	11.4	11.0
ZDHHC11	6.6	3.9	2.7	2.6	1.1	2.9	2.0	3.1	3.5	2.0	6.3	3.4	2.8	1.9	1.9	2.3	1.3	2.2	2.4	4.9	1.1	3.4	2.6	5.2	1.8	1.5	2.6	4.6	1.6	2.1	2.0	1.6	1.2	1.2	2.2	2.1	0.6	0.7	1.7	5.8
ZDHHC12	1.9	2.4	2.1	2.5	2.8	2.7	2.6	2.4	2.3	1.8	1.7	2.8	3.3	4.2	3.9	2.4	1.8	1.7	2.0	2.1	2.2	1.9	1.7	1.7	1.4	1.5	2.0	1.5	1.8	3.0	2.3	2.2	3.4	1.6	1.3	2.0	2.3	1.8	2.3	1.2
ZDHHC13	1.6	2.5	1.6	2.6	2.3	1.9	2.0	1.9	2.2	2.0	2.0	2.4	2.3	1.9	1.9	3.0	1.9	2.5	1.5	2.8	2.5	2.1	2.7	2.0	1.6	2.6	1.9	2.0	1.9	2.1	2.0	1.9	2.8	2.4	2.0	2.2	2.1	1.7	3.4	2.4
ZDHHC14	1.9	2.7	2.6	2.6	2.3	1.9	1.9	2.1	2.8	2.8	3.7	2.2	3.2	3.5	5.3	2.6	2.8	3.4	3.0	2.7	2.8	2.9	3.3	2.4	2.5	3.4	4.1	6.8	2.8	5.5	4.2	3.9	2.6	3.8	2.9	4.4	4.3	7.8	4.1	1.6
ZDHHC16	6.2	5.7	5.0	9.1	6.7	5.6	5.8	7.8	5.7	6.5	4.3	5.8	6.7	9.5	5.8	6.8	7.0	5.7	5.9	5.3	7.9	6.0	6.3	5.3	5.1	5.8	5.8	5.9	3.8	5.7	5.6	7.0	6.6	5.6	6.3	4.1	7.3	6.7	7.1	4.8
ZDHHC17	4.2	4.2	3.3	3.4	4.2	4.6	3.6	4.4	5.2	4.1	4.6	3.8	3.8	5.2	3.5	3.5	4.3	4.5	4.2	5.7	3.7	4.1	4.0	3.7	4.3	4.7	4.8	4.2	3.2	3.6	5.1	4.6	7.1	4.7	4.1	4.7	5.3	4.0	5.2	6.1
ZDHHC18	3.3	2.7	2.3	4.4	3.5	2.4	3.1	3.1	3.8	2.6	3.5	2.8	2.9	3.7	3.2	3.5	2.3	2.5	3.3	3.0	4.2	2.9	3.4	3.2	3.0	4.0	3.6	3.1	2.4	4.4	3.2	3.2	5.6	4.0	3.6	3.1	5.2	3.9	4.2	3.5
ZDHHC2	5.2	3.1	1.6	2.1	5.7	2.1	1.7	1.6	3.0	1.4	0.8	3.9	1.4	3.4	1.8	2.2	2.1	1.6	1.6	4.5	4.5	2.1	2.2	2.0	1.7	1.3	1.0	1.2	1.0	0.8	1.9	2.7	2.8	1.8	2.0	4.1	5.4	3.1	2.5	2.6
ZDHHC3	2.6	3.1	3.3	3.8	3.6	2.9	2.6	3.5	3.3	3.0	3.0	3.2	3.2	3.9	3.2	3.4	3.4	3.1	3.1	3.2	3.8	3.0	2.9	2.9	2.4	2.3	3.6	3.1	2.3	2.5	2.5	3.1	4.0	3.8	2.7	3.4	3.9	3.7	3.5	2.8
ZDHHC4	10.1	9.2	9.9	9.9	11.9	11.2	9.8	9.6	10.0	9.5	11.0	11.3	12.0	13.7	12.9	9.7	11.5	9.2	10.7	11.6	11.9	9.9	10.7	10.6	6.8	9.7	12.2	10.2	7.7	9.0	8.8	8.6	11.4	9.9	10.4	7.9	11.7	8.8	10.0	11.0
ZDHHC5	11.0	11.4	11.1	11.3	11.5	8.3	7.6	12.3	14.6	12.8	9.9	11.3	10.7	13.3	12.9	12.8	12.0	12.6	12.4	13.2	12.3	11.5	12.8	12.0	7.1	10.4	12.1	12.3	7.6	8.0	9.3	12.5	14.0	14.8	10.0	11.7	13.8	11.1	12.8	11.9
ZDHHC6	5.2	7.0	6.3	5.7	7.0	5.6	4.8	5.0	6.8	5.7	6.0	5.8	7.1	6.9	7.6	6.2	6.2	5.0	6.2	7.8	6.1	5.9	6.6	5.3	5.6	5.9	7.3	7.0	6.0	5.1	7.1	6.2	9.0	6.5	6.8	5.4	8.0	5.9	8.4	7.0
ZDHHC7	11.8	12.2	10.5	11.6	11.7	10.1	9.2	11.4	12.9	10.0	10.4	9.2	10.5	13.2	14.5	10.9	10.6	11.3	9.4	12.2	11.1	9.7	12.1	11.2	7.4	9.8	12.1	11.5	8.4	10.3	9.7	11.0	12.3	11.7	10.0	11.6	11.3	11.7	11.0	11.0
ZDHHC8	5.1	4.1	3.1	3.8	5.9	4.6	3.5	4.8	5.9	3.8	6.7	4.4	5.5	5.2	7.3	4.5	4.7	4.6	4.9	5.7	5.8	4.7	3.9	3.6	3.8	5.2	4.4	6.2	4.6	3.2	4.3	4.8	6.9	5.7	4.5	3.4	5.8	4.6	4.3	3.6
ZDHHC9	1.8	2.0	2.9	4.7	3.3	2.2	2.6	2.5	3.5	2.6	2.2	2.0	2.5	2.6	3.0	2.5	2.1	2.2	2.0	2.7	2.7	3.1	1.8	2.1	4.7	3.4	3.0	2.6	2.2	2.5	2.3	4.0	5.6	3.9	2.4	3.9	3.3	4.8	3.2	2.9
ZEB1	12.9	14.1	11.8	11.4	15.7	14.9	10.9	16.2	18.2	15.1	14.8	9.1	15.6	20.1	11.5	13.6	22.4	20.4	14.4	21.7	14.8	14.4	13.1	13.0	11.3	17.4	13.0	15.9	12.4	10.4	12.4	16.6	19.3	22.6	13.3	19.8	22.5	17.1	12.9	17.8
ZEB2	9.1	8.4	6.6	6.7	11.1	8.5	7.4	9.6	11.1	9.6	8.7	6.7	11.0	12.1	9.9	8.1	12.2	11.6	10.0	16.6	11.5	10.0	8.8	8.4	7.2	7.7	8.0	8.2	7.5	4.7	6.4	8.5	10.9	10.1	6.2	11.2	10.2	9.9	10.3	10.7
ZER1	12.5	14.3	11.6	13.2	15.2	15.4	12.0	14.1	13.9	12.3	14.5	15.2	14.8	16.4	15.4	15.8	15.4	13.6	14.7	12.3	14.4	15.0	14.9	13.5	11.8	11.3	16.2	15.9	11.5	13.6	11.8	13.5	13.4	16.4	14.1	12.8	14.8	14.1	16.5	13.8
ZFAND1	4.0	4.7	3.1	6.1	4.9	4.1	5.1	5.4	5.5	4.7	5.5	5.5	4.6	3.9	7.3	6.3	5.0	5.6	4.2	4.8	4.1	6.7	5.8	5.1	4.9	7.4	6.7	8.0	3.3	4.6	4.4	3.4	8.4	4.4	5.4	3.5	4.5	5.5	7.1	6.0
ZFAND2A	3.1	1.7	2.3	3.5	4.6	3.7	2.4	2.4	3.4	1.9	1.9	1.9	3.2	5.7	4.7	3.1	3.5	3.6	2.9	6.1	4.2	3.0	4.4	2.5	3.1	2.5	2.4	1.8	2.1	4.4	2.0	3.4	4.9	5.5	3.2	5.4	4.9	3.8	4.9	3.4
ZFAND2B	4.2	4.8	4.2	5.1	6.2	4.5	4.6	5.4	5.9	5.3	4.5	4.0	5.2	8.2	8.3	4.7	5.8	4.9	5.4	6.3	5.2	4.1	5.0	5.1	4.2	5.4	5.2	4.7	6.3	6.8	4.8	5.4	9.1	6.2	6.5	4.6	4.7	4.4	5.3	4.0
ZFAND3	14.3	15.6	13.4	15.0	16.9	14.8	13.6	16.1	16.9	16.1	16.9	17.0	16.3	20.7	16.6	17.2	15.7	16.9	16.5	15.4	16.7	16.1	16.7	16.9	13.1	16.0	18.6	16.9	12.1	14.2	14.8	19.2	17.0	17.2	13.3	15.6	18.0	19.4	17.5	16.5
ZFAND5	16.6	19.4	20.6	15.0	30.8	20.5	21.6	15.6	21.7	22.0	22.6	24.2	22.7	25.4	24.9	24.0	21.2	22.4	20.8	23.8	21.3	23.1	21.4	21.0	46.5	75.9	43.4	34.6	19.3	53.2	23.1	27.4	109.4	45.9	58.3	29.3	39.5	23.8	47.2	22.7
ZFAND6	19.8	23.1	18.3	18.2	22.6	22.4	19.9	21.6	26.7	23.1	23.6	22.5	27.6	29.5	24.8	26.0	21.2	24.3	20.7	24.3	26.2	26.1	26.2	25.3	19.0	18.7	27.4	26.5	15.8	27.7	21.6	27.1	20.2	24.5	22.4	25.3	25.4	22.2	33.3	24.5
ZFC3H1	3.5	2.7	2.9	2.6	2.7	2.6	2.0	2.8	4.2	2.9	3.3	2.4	2.5	2.7	1.9	2.3	3.4	3.2	3.4	5.1	3.0	2.7	2.9	2.8	2.7	2.3	2.5	2.2	1.4	2.0	2.2	2.4	3.8	4.7	2.8	3.6	5.0	2.4	2.6	3.6
ZFHX3	1.5	1.4	1.9	1.5	1.5	1.4	1.2	2.1	2.5	1.4	1.7	1.1	1.5	1.9	1.9	1.6	1.8	2.0	1.9	2.7	1.6	1.4	1.6	1.3	1.7	2.0	1.4	1.4	1.0	1.1	1.2	1.6	3.3	3.1	1.6	2.7	3.1	1.4	1.9	2.7
ZFP106	80.9	68.7	76.4	68.9	53.3	74.7	49.2	78.8	98.5	98.6	100.7	60.1	78.2	97.8	31.0	69.6	89.8	110.2	79.4	72.1	65.5	78.0	97.2	83.1	47.1	47.3	63.0	70.5	37.5	43.7	51.7	70.8	48.3	82.3	57.5	99.2	94.8	69.4	64.1	79.8
ZFP36	11.7	11.7	17.9	29.6	15.0	28.9	31.9	12.0	25.0	50.9	7.4	8.3	37.7	30.3	235.7	34.6	25.8	12.7	26.4	16.1	21.6	8.2	7.2	6.6	148.8	226.8	67.0	56.6	38.7	554.4	36.3	88.0	1148.3	104.6	43.5	56.1	176.7	107.0	254.8	82.9
ZFP36L1	23.0	15.3	10.2	13.9	17.5	20.3	16.9	16.9	23.8	21.9	15.4	15.8	26.2	19.3	59.4	27.3	21.2	16.9	25.7	37.3	27.0	20.3	15.7	16.0	27.5	54.3	23.9	23.3	12.1	36.4	22.7	27.3	104.1	36.8	18.0	26.4	31.3	21.4	35.5	29.2
ZFP36L2	8.8	11.2	7.3	7.5	15.6	12.0	10.7	9.9	16.3	9.0	10.7	7.9	13.2	12.9	37.8	10.4	10.5	8.7	10.9	14.8	17.3	8.9	8.4	8.9	12.7	34.2	18.4	13.7	15.0	16.7	6.7	11.9	89.1	19.5	11.6	15.5	21.6	16.8	27.8	20.6
ZFP57	0.1	3.5	8.9	0.0	5.5	8.7	4.1	9.0	0.1	0.0	0.1	3.1	0.0	5.4	7.2	0.0	0.1	1.6	3.3	4.3	0.0	0.0	3.5	0.1	0.1	0.0	0.0	3.5	0.0	3.5	5.8	0.0	0.3	3.0	5.8	2.5	0.0	0.0	4.0	0.0
ZFP62	3.0	2.7	2.0	2.5	1.9	2.7	1.8	3.1	3.7	2.5	2.7	2.9	2.8	2.3	2.6	2.4	2.8	3.7	2.4	4.1	2.7	3.3	3.7	2.7	1.7	2.9	2.1	2.6	1.7	1.2	2.5	2.3	3.0	2.5	2.5	2.4	2.7	1.9	2.0	3.2
ZFP90	1.9	1.6	1.5	1.8	1.9	1.7	1.3	1.9	2.5	1.9	2.1	1.7	2.5	2.6	3.1	1.8	1.9	2.2	1.6	3.8	1.9	2.0	2.0	1.9	1.4	2.2	1.8	1.5	1.5	1.5	1.5	1.6	3.6	2.3	1.5	1.6	2.5	1.6	1.8	2.1
ZFP91	11.2	13.3	10.9	11.7	12.0	10.5	10.8	12.9	13.4	11.4	11.0	8.7	12.6	12.9	10.2	12.8	11.8	13.4	10.8	12.1	9.6	10.8	12.8	9.0	7.8	11.5	12.5	12.6	8.1	8.4	8.5	12.3	13.9	12.9	9.9	12.4	13.8	11.7	12.9	12.8
ZFPL1	6.6	6.1	4.5	7.0	5.4	6.4	5.5	5.7	5.9	5.6	7.8	6.3	7.5	8.6	8.6	5.8	7.0	5.9	6.4	5.7	7.1	6.2	6.8	7.0	6.2	5.2	6.8	7.7	6.3	6.7	5.3	5.3	6.7	5.4	5.0	5.2	7.0	7.3	5.4	5.3
ZFPM2	6.3	6.2	2.9	5.4	7.6	6.1	5.9	6.2	5.3	5.5	5.7	3.9	6.6	7.8	5.9	5.9	6.5	5.3	5.2	6.2	4.9	5.9	5.4	5.7	4.8	6.9	3.7	5.3	4.1	3.8	4.6	5.4	6.2	5.6	4.8	4.3	6.2	4.6	7.2	7.6
ZFR	14.6	15.8	14.4	15.0	17.0	13.5	11.9	16.2	17.6	15.4	15.6	12.8	15.5	20.2	11.8	14.8	18.0	17.9	14.5	19.1	14.5	15.0	16.1	15.2	9.8	15.5	15.9	16.2	10.6	9.8	12.0	14.7	18.6	21.3	13.5	17.4	21.4	18.0	16.4	17.4
ZFX	2.2	3.4	1.8	1.7	2.4	1.6	1.6	2.3	2.7	1.7	1.9	1.5	1.8	1.9	1.3	1.7	3.2	2.3	3.2	3.1	2.1	1.6	3.2	1.8	1.9	1.5	1.9	2.0	1.1	1.0	1.8	1.8	4.0	2.8	3.6	3.0	3.0	1.6	3.6	2.7
ZFYVE1	2.9	2.9	2.6	2.5	4.4	3.3	2.4	3.0	3.7	3.8	3.6	4.1	4.1	5.8	3.8	3.5	3.4	3.0	3.3	4.0	4.2	3.8	3.6	3.5	3.3	3.2	4.5	3.8	2.7	2.9	2.8	2.6	5.7	4.1	2.9	3.9	4.1	3.7	5.0	3.5
ZFYVE16	4.5	4.5	4.1	3.3	4.7	4.4	3.1	4.8	6.3	4.3	4.4	3.6	4.6	5.7	3.1	4.3	5.1	5.3	5.1	7.0	4.9	4.5	4.5	4.1	3.3	4.0	4.1	4.4	2.9	2.9	4.1	4.5	4.8	6.2	4.2	5.7	7.1	4.9	5.7	5.3
ZFYVE19	5.1	3.9	2.8	4.6	4.1	3.7	3.0	4.4	4.1	3.5	2.9	2.9	5.1	4.9	3.8	2.9	3.5	3.6	3.3	4.3	3.9	3.8	2.8	4.1	3.0	3.2	4.5	4.0	3.3	3.5	3.2	2.7	5.7	4.2	5.0	3.0	4.9	1.8	3.8	4.7
ZFYVE20	3.0	3.0	2.9	2.8	3.1	2.8	1.9	3.3	3.9	3.3	3.4	3.0	3.5	4.1	3.6	3.5	4.0	3.7	3.3	4.6	2.6	3.2	3.2	3.0	2.3	2.9	3.1	2.9	2.1	2.2	2.7	2.8	3.7	4.2	3.1	3.0	3.7	2.9	3.6	3.7
ZFYVE21	13.6	13.0	11.4	12.2	15.9	14.3	11.5	13.2	17.2	16.8	15.3	19.9	21.6	21.9	25.4	15.2	18.8	15.6	16.1	19.9	16.7	16.2	16.5	16.0	14.2	14.6	15.7	16.2	17.0	17.7	14.6	15.3	19.4	19.5	18.7	13.5	21.1	15.6	16.0	13.0
ZFYVE26	2.3	2.4	2.3	2.2	2.5	2.3	1.7	2.3	3.0	2.5	2.5	2.5	3.0	2.4	2.2	2.9	2.2	2.8	2.7	3.3	2.8	2.9	2.6	2.8	2.2	2.2	3.0	2.9	1.5	1.8	1.9	2.1	3.9	3.0	2.4	2.9	3.2	2.2	3.2	3.0
ZFYVE27	3.0	3.3	3.5	3.2	4.1	4.2	3.0	2.8	3.9	5.3	4.4	6.2	4.1	4.9	5.7	3.7	4.7	3.6	4.9	7.0	3.9	4.6	4.4	4.9	4.1	4.3	5.0	5.4	4.5	5.4	5.0	4.4	8.7	5.8	4.5	5.5	6.1	5.7	5.3	3.5
ZFYVE9	4.3	4.3	3.8	4.3	4.7	3.4	3.7	4.5	4.9	3.6	3.7	3.1	3.5	4.2	3.0	4.6	4.0	4.0	4.2	5.3	3.9	4.3	3.6	3.1	2.9	3.7	4.0	3.7	2.4	2.7	2.8	3.2	4.8	3.9	4.7	3.4	4.5	3.2	4.3	4.9
ZGPAT	4.1	4.4	3.6	4.9	5.3	4.6	4.3	3.9	5.1	4.6	4.6	6.0	5.2	5.2	6.3	3.7	3.6	3.8	5.0	4.7	5.7	4.2	4.1	3.8	4.2	3.3	5.3	4.8	5.5	5.5	4.4	5.4	6.0	5.5	4.9	4.2	4.5	5.1	4.6	4.3
ZHX1	5.0	4.2	3.6	4.1	4.3	3.7	2.9	4.0	4.8	3.9	3.6	2.8	5.0	5.3	4.1	3.7	4.5	4.2	4.0	6.2	5.3	4.2	4.0	3.9	3.7	4.4	3.6	3.9	3.1	2.9	3.7	4.4	6.7	6.4	4.3	5.4	6.4	5.6	4.7	4.5
ZHX2	10.9	11.6	8.6	9.7	9.3	9.8	8.5	12.0	11.3	9.1	10.1	9.0	9.7	9.2	10.7	9.8	8.8	9.0	8.5	8.5	9.3	11.4	10.7	9.6	8.6	10.9	9.9	9.9	5.5	8.6	8.7	9.1	10.5	11.8	12.0	8.1	12.4	9.5	11.0	10.7
ZHX3	3.6	4.3	3.5	3.7	5.1	3.8	4.1	5.0	4.7	2.7	4.2	2.5	3.4	3.9	5.0	3.9	3.3	3.6	3.5	5.2	4.3	3.8	3.3	2.8	2.3	3.6	4.2	3.7	2.3	2.6	3.0	3.4	5.9	5.0	3.4	4.8	4.5	4.7	4.5	4.7
ZKSCAN1	4.3	3.6	5.3	3.5	4.4	3.4	3.1	4.6	6.2	4.4	5.4	2.9	2.4	4.1	1.3	4.2	4.4	6.5	5.6	7.9	4.3	4.3	4.6	4.3	2.6	3.2	3.5	3.5	1.1	1.1	2.8	3.1	5.4	5.5	3.7	6.9	6.2	3.2	2.8	6.0
ZMAT1	3.8	3.9	3.1	2.3	2.9	3.9	3.1	3.0	4.4	4.1	4.0	6.1	4.8	4.2	5.7	3.8	5.4	5.5	5.1	7.5	5.4	4.3	6.4	5.6	5.2	5.6	5.7	4.2	3.3	5.7	5.2	4.0	6.4	5.6	6.3	3.9	5.0	2.8	4.8	5.2
ZMAT2	10.0	10.9	9.6	9.5	9.6	8.8	9.5	11.8	13.9	13.3	13.6	12.7	14.4	14.5	17.3	9.3	12.4	12.5	11.6	14.7	10.2	9.8	10.7	10.7	12.4	11.1	11.2	14.5	9.9	14.7	10.3	10.4	17.0	14.2	11.8	10.2	11.2	8.2	12.8	11.2
ZMAT5	5.0	6.4	4.9	5.8	5.8	8.0	5.6	6.1	6.3	5.9	5.5	9.1	6.1	8.1	7.5	7.1	7.2	6.8	6.3	6.8	6.0	6.2	5.6	7.6	4.8	4.7	4.8	6.9	5.0	7.1	5.9	5.3	5.4	6.3	6.5	4.9	4.9	3.8	6.6	5.7
ZMIZ1	11.2	13.4	10.5	11.1	18.8	13.8	10.8	13.9	16.9	11.6	14.3	11.5	12.1	12.3	18.8	16.7	14.0	13.6	14.8	15.4	15.5	14.1	16.6	14.5	9.9	13.2	14.1	14.5	9.7	7.6	11.7	11.5	16.2	16.1	10.7	12.4	14.7	13.9	18.7	15.4
ZMIZ2	8.0	9.3	9.6	11.8	10.5	8.5	7.1	8.7	11.8	9.9	9.5	10.6	9.5	10.5	13.6	10.5	9.7	9.5	11.7	10.0	12.1	8.9	9.3	10.1	8.1	8.8	11.9	11.2	8.6	10.6	10.7	10.7	12.5	10.0	8.8	9.5	12.2	9.3	10.3	9.1
ZMPSTE24	9.9	8.3	8.5	11.2	8.5	6.8	8.0	9.8	8.6	8.3	7.9	6.4	10.3	8.9	7.7	8.5	7.5	7.8	8.0	10.1	8.8	7.4	8.1	7.2	4.7	6.9	7.2	7.7	5.8	5.1	5.7	8.6	9.0	8.7	8.0	7.7	9.6	6.6	7.8	8.8
ZMYM2	4.8	4.4	3.7	3.8	4.4	4.6	4.0	4.9	6.0	4.3	4.9	4.1	4.4	5.7	3.2	4.6	4.3	5.3	4.3	6.7	4.3	4.7	4.9	4.2	3.8	3.8	3.9	3.9	2.7	3.5	3.6	3.9	4.8	4.9	4.4	4.2	5.2	3.2	4.1	5.1
ZMYM3	4.0	4.1	2.8	3.1	3.2	4.4	2.7	3.8	4.4	2.5	3.9	3.8	3.5	4.6	4.9	3.2	2.2	3.5	3.2	4.4	3.4	3.5	3.4	4.0	2.3	3.8	2.7	3.2	3.2	3.0	2.8	2.5	3.2	2.4	2.0	1.6	2.4	1.7	2.8	4.3
ZMYM4	4.7	5.0	4.2	4.3	4.7	4.4	3.7	4.6	5.6	4.5	5.6	4.3	4.9	5.5	3.8	4.2	4.9	5.5	4.5	5.3	5.4	5.0	6.1	4.8	3.6	4.7	4.4	5.9	3.1	3.4	5.4	5.0	5.5	5.4	4.8	4.6	6.1	4.1	4.9	6.7
ZMYND11	21.5	21.2	20.5	20.3	23.4	18.7	16.7	23.9	25.3	21.8	22.4	19.2	22.7	28.5	22.6	21.5	25.3	25.6	20.9	25.8	22.0	23.0	24.1	22.7	16.3	23.7	22.8	24.3	16.8	17.0	18.3	23.7	26.5	27.4	20.9	25.7	27.2	27.6	25.8	24.6
ZMYND17	1.3	1.1	0.8	0.3	3.6	1.2	0.7	1.3	2.2	2.4	5.3	2.3	3.1	7.8	5.1	2.5	3.7	3.2	4.3	2.7	3.7	2.7	2.7	3.6	1.5	1.3	2.6	1.8	1.1	2.9	3.2	3.3	1.9	3.1	3.9	0.8	3.9	2.3	1.2	3.5
ZMYND19	2.7	3.2	2.1	5.4	3.1	2.6	2.5	2.8	2.8	3.0	2.6	2.3	2.8	4.0	3.5	2.3	2.1	2.0	2.6	2.5	4.7	2.2	2.4	2.6	2.8	1.7	2.1	3.6	2.9	3.2	2.1	3.4	4.4	3.5	3.3	2.3	3.3	3.1	2.3	2.2
ZMYND8	5.1	4.4	4.7	4.7	6.0	5.4	5.5	5.9	6.1	4.3	5.1	7.8	6.0	9.1	5.1	5.2	5.4	5.5	4.8	8.1	5.6	5.0	5.7	6.8	6.7	5.9	6.5	6.5	5.7	5.3	3.8	4.8	9.3	8.5	6.4	5.8	7.2	6.3	9.0	5.9
ZNF12	3.0	3.2	3.4	2.6	3.3	2.4	2.0	3.2	4.2	3.2	2.8	2.7	2.8	3.0	2.1	2.3	3.1	3.4	2.6	4.4	3.1	2.9	2.9	2.4	2.2	2.7	2.5	2.8	1.4	1.5	2.7	2.5	3.1	4.1	2.7	3.8	4.4	2.3	2.7	3.5
ZNF131	1.3	2.4	2.7	2.1	2.6	2.0	1.8	2.6	2.9	2.5	1.8	2.0	2.2	3.4	3.5	2.6	2.2	2.4	1.9	3.6	2.7	2.9	2.7	2.0	1.8	2.8	2.8	3.3	2.1	3.0	2.0	3.0	6.2	4.6	2.6	2.8	4.0	2.8	3.9	2.4
ZNF133	2.9	3.3	2.2	2.7	2.8	2.5	2.4	2.4	2.8	2.1	2.8	3.0	3.1	3.3	3.8	2.5	3.0	2.3	3.0	3.7	3.7	2.1	2.8	2.7	3.0	3.1	3.5	3.3	2.7	2.4	3.7	3.2	3.4	2.9	3.4	2.5	3.1	2.8	2.9	3.5
ZNF134	2.6	3.7	3.6	3.4	3.5	3.6	2.6	4.3	4.8	4.4	4.1	2.7	2.9	4.3	2.8	3.8	3.2	3.8	3.0	5.0	3.5	3.7	3.6	3.6	2.6	2.7	3.9	2.9	1.5	2.4	3.4	3.3	4.0	4.8	4.0	4.3	5.2	3.2	4.4	4.9
ZNF142	2.2	3.1	2.4	2.3	2.7	3.0	2.1	3.0	3.4	2.6	2.7	2.6	2.8	3.3	3.4	3.3	3.0	3.0	2.6	3.0	2.9	2.6	3.0	2.8	2.1	2.9	4.2	3.4	2.0	2.1	3.1	3.4	3.4	3.3	2.4	2.6	4.2	3.6	4.0	2.9
ZNF143	3.3	2.9	2.3	3.0	3.5	3.2	2.7	3.5	3.3	2.6	2.6	2.6	3.1	4.0	3.9	2.9	3.0	3.0	2.5	3.0	2.4	2.5	3.4	3.0	1.7	3.3	3.6	3.4	2.1	2.6	3.2	3.4	4.1	2.5	1.4	3.6	3.9	3.7	3.7	3.8
ZNF146	4.9	5.4	7.4	6.4	5.2	4.8	4.6	6.3	6.0	5.9	5.2	4.5	6.0	6.6	5.0	4.9	5.7	5.9	5.6	6.3	5.0	4.7	5.2	5.1	4.2	6.3	5.6	6.0	3.7	4.1	5.6	5.9	7.2	7.4	6.4	6.5	7.6	5.1	5.3	6.1
ZNF148	3.4	2.9	2.7	2.0	2.7	2.8	2.7	3.4	3.4	2.0	2.6	2.3	2.5	3.0	2.2	2.0	2.3	2.6	2.8	3.8	2.3	2.6	3.1	2.9	2.2	2.4	2.3	2.6	1.7	2.0	2.2	2.7	2.7	2.3	1.9	2.4	2.9	2.1	2.5	3.9
ZNF154	1.9	1.5	1.8	1.6	1.9	2.0	0.9	1.6	2.7	1.8	1.8	1.9	1.7	1.5	1.6	1.5	1.7	2.0	2.5	4.9	2.2	1.6	1.1	2.1	2.2	2.0	2.2	1.4	1.4	1.1	2.1	1.3	2.2	3.2	3.0	2.2	2.8	1.5	1.5	2.2
ZNF160	5.9	4.6	4.8	3.1	5.9	4.8	4.0	4.6	6.9	4.8	4.9	4.6	4.5	4.5	4.3	9.1	6.2	7.5	5.4	6.7	5.4	5.7	6.1	4.5	4.9	6.9	4.8	6.3	3.0	5.2	5.3	5.7	9.2	6.3	5.0	6.1	6.7	4.4	7.0	5.8
ZNF174	3.1	3.4	3.2	2.9	2.9	3.6	2.6	3.1	3.5	2.6	4.2	3.5	3.3	4.0	3.1	2.7	2.4	2.5	2.8	3.6	3.1	3.0	3.4	3.1	2.2	3.3	3.7	3.6	2.6	2.4	2.5	3.3	1.8	2.0	2.6	1.8	3.4	3.0	3.1	3.6
ZNF181	4.5	4.4	3.8	5.1	5.0	3.8	4.5	4.7	5.2	4.3	4.9	4.5	4.3	4.8	4.2	3.8	3.9	5.5	3.9	6.7	4.1	4.6	4.5	4.5	3.4	3.4	5.0	5.0	3.3	3.2	3.3	3.8	4.7	4.3	3.6	5.2	6.4	3.5	4.3	5.8
ZNF187	3.3	2.9	2.8	2.5	3.6	3.4	2.3	3.1	4.2	3.2	3.3	4.2	3.6	4.3	3.7	2.6	2.7	3.2	2.8	4.6	4.0	3.7	3.4	4.1	2.5	3.8	4.2	2.9	3.1	2.7	3.7	2.6	4.1	2.6	2.9	3.6	4.1	2.6	3.3	4.3
ZNF189	4.7	5.4	10.4	8.2	6.0	7.3	5.2	7.2	5.8	4.3	4.1	4.4	5.1	6.3	3.9	7.4	5.8	6.4	4.3	5.4	4.7	5.6	4.8	4.4	26.8	10.3	12.5	11.5	7.0	19.9	13.4	15.6	12.9	26.6	22.5	28.8	28.4	15.5	15.2	6.1
ZNF192	1.9	1.8	2.2	2.1	2.5	2.0	1.8	2.1	3.6	2.2	3.4	1.5	1.0	2.5	0.5	2.0	2.2	2.8	2.3	3.6	1.7	2.5	2.0	2.4	1.9	0.8	1.6	1.8	0.3	0.6	2.3	2.4	2.4	1.9	1.5	2.7	3.0	1.6	1.3	3.3
ZNF193	2.0	2.0	1.6	1.7	1.6	1.7	0.9	1.7	2.2	1.7	2.2	2.1	2.9	0.8	3.1	1.7	2.1	2.6	2.1	3.1	1.6	2.0	1.5	2.0	1.7	2.2	2.0	2.2	2.3	2.1	2.8	1.8	3.1	2.9	2.5	2.6	2.5	1.6	2.1	2.5
ZNF195	2.5	3.5	2.7	3.4	2.6	3.1	2.8	3.2	3.6	2.6	2.8	2.9	2.6	3.5	3.6	3.1	2.3	2.7	2.6	3.3	3.7	3.0	3.1	2.7	2.8	2.6	3.5	4.8	2.6	2.5	3.4	3.7	3.1	2.9	2.0	3.8	3.8	2.9	3.8	3.0
ZNF205	1.9	2.4	1.6	2.4	2.5	2.5	2.1	2.2	2.2	1.5	2.1	2.5	2.2	2.9	3.7	1.9	2.0	2.0	2.7	2.1	2.4	2.3	2.9	2.5	2.3	1.8	2.6	4.0	1.6	2.9	2.6	2.1	2.6	2.4	2.7	2.0	3.1	2.6	2.4	1.9
ZNF207	14.7	17.2	21.6	23.4	21.9	18.9	16.8	18.7	22.3	22.2	20.0	23.3	20.5	21.5	21.6	21.9	21.8	20.7	19.8	26.0	20.9	20.5	19.8	21.2	16.5	24.2	25.9	23.4	14.5	17.2	17.8	24.1	33.3	27.7	20.6	26.2	24.5	22.6	22.2	23.5
ZNF211	5.0	5.2	3.7	4.0	3.4	3.9	3.1	4.7	5.2	4.6	5.2	4.5	5.9	6.2	5.4	5.0	4.3	5.0	4.7	5.9	4.4	4.3	4.7	4.4	4.2	5.0	4.6	5.1	4.1	5.2	5.6	3.7	5.4	5.4	6.2	5.2	5.2	3.2	6.2	4.6
ZNF213	2.0	2.4	1.9	2.5	1.8	2.4	1.8	2.4	2.0	1.7	2.6	2.4	2.4	2.4	3.3	2.3	3.0	1.7	2.3	2.2	2.2	2.7	1.9	2.4	1.8	1.8	3.2	2.5	2.3	2.1	2.8	2.8	2.1	2.3	2.5	1.9	3.6	2.6	2.1	2.9
ZNF217	1.5	1.7	1.5	1.7	1.8	1.6	1.3	2.0	2.1	1.3	1.7	1.3	2.0	1.4	2.0	1.5	2.1	1.5	1.6	3.3	2.4	1.9	1.7	1.8	1.2	2.1	1.9	2.0	1.6	0.9	1.3	2.2	5.9	2.1	1.4	2.0	2.6	1.7	2.7	2.3
ZNF219	9.1	6.2	6.2	8.8	9.0	6.9	7.3	7.8	7.4	5.9	6.7	5.8	6.6	12.1	8.3	6.0	6.6	6.3	5.9	5.8	8.3	6.8	5.9	5.3	5.8	5.4	9.3	6.8	6.5	8.1	6.9	8.7	6.2	8.5	7.7	7.4	9.8	9.2	6.3	6.1
ZNF22	5.9	6.1	6.1	5.1	7.5	4.9	5.2	5.3	7.3	5.6	5.4	5.6	7.7	8.8	8.8	5.6	5.4	5.5	4.9	6.9	5.6	4.4	6.1	5.9	5.0	5.2	6.2	5.4	5.8	5.3	6.6	7.6	9.4	5.1	5.8	5.6	7.5	5.1	6.5	5.9
ZNF224	3.0	3.9	3.3	4.4	4.1	4.2	2.6	4.1	5.3	3.6	4.1	4.7	3.5	4.6	3.2	4.0	3.6	4.5	4.8	6.0	4.4	4.3	4.7	4.8	3.9	3.6	6.3	4.1	3.7	3.5	4.5	3.6	6.1	4.4	4.6	4.7	5.7	4.1	4.5	5.9
ZNF226	3.2	3.2	2.8	3.3	3.4	3.3	2.0	3.0	4.8	3.1	3.5	3.4	3.2	3.9	5.3	3.5	2.9	3.1	2.7	4.9	3.7	3.5	3.5	3.7	3.6	3.9	4.0	5.1	3.9	4.8	3.0	5.5	4.7	3.2	4.5	4.5	3.4	4.0	3.8	4.0
ZNF238	5.4	5.1	4.2	4.6	4.2	3.7	5.0	4.9	5.0	3.4	4.3	4.6	4.5	3.6	3.6	4.8	3.3	4.2	3.1	5.6	3.5	4.0	3.8	4.3	3.3	3.4	4.0	4.4	2.7	2.5	3.4	3.4	4.8	4.0	3.3	3.6	4.2	3.5	4.2	5.4
ZNF24	5.5	5.4	4.7	5.3	4.6	4.3	3.6	5.5	6.4	4.6	4.8	3.7	3.7	5.0	2.3	4.4	5.0	5.4	5.5	7.7	4.2	4.2	5.2	4.6	4.0	3.8	4.6	3.8	1.7	2.2	3.5	3.9	5.8	6.0	5.4	6.3	7.6	3.9	4.9	6.4
ZNF248	2.6	2.3	1.6	1.6	1.5	2.1	1.9	2.2	2.8	1.9	2.5	1.8	2.1	2.5	1.5	2.0	1.7	3.0	2.2	3.4	1.8	2.0	2.1	2.4	2.2	2.0	2.1	3.0	1.5	1.8	2.2	1.5	2.3	3.1	2.4	2.4	2.8	1.8	2.3	2.5
ZNF25	4.6	3.9	4.7	3.6	3.6	4.2	3.5	4.6	5.0	3.1	3.5	3.5	3.5	5.6	3.3	3.7	3.4	5.7	3.9	6.5	4.3	4.4	4.1	4.0	3.1	4.4	3.4	4.5	2.2	2.7	2.6	3.4	4.4	4.4	3.8	3.7	4.6	3.1	3.2	5.1
ZNF251	3.4	4.8	2.2	2.7	3.2	5.1	2.9	3.1	4.4	3.6	4.7	5.2	5.1	5.2	7.0	5.5	3.1	6.8	5.2	5.3	5.7	5.0	6.5	4.1	4.6	5.9	4.2	4.8	4.8	6.7	5.7	5.4	9.7	6.5	6.1	5.0	6.1	4.2	7.4	6.5
ZNF252	3.2	2.4	3.1	2.2	2.5	2.2	2.1	3.5	3.2	2.1	2.1	1.4	2.2	2.7	1.3	1.9	1.3	2.4	2.0	2.6	2.0	2.3	2.9	2.5	1.6	1.8	1.9	2.4	1.2	1.4	1.7	1.9	1.7	2.3	2.0	2.3	2.9	1.3	2.6	2.9
ZNF256	2.4	3.2	2.7	2.3	2.1	2.6	1.8	2.5	3.0	3.0	3.7	3.1	2.3	2.3	2.5	2.2	2.2	2.8	2.5	3.2	2.4	2.7	2.6	2.3	2.6	2.6	2.6	2.9	2.0	2.4	3.0	3.1	2.0	3.5	2.4	2.3	3.5	1.9	2.5	2.8
ZNF259	3.6	6.1	5.0	6.8	4.9	5.3	5.1	4.9	7.2	7.9	5.3	7.0	6.7	9.6	8.6	6.6	7.4	7.6	6.7	6.5	6.8	6.7	7.3	6.4	5.5	6.8	7.3	9.1	5.6	7.8	5.8	7.1	10.8	10.0	5.2	7.8	6.8	8.6	7.5	5.0
ZNF263	2.2	2.5	1.7	2.5	3.2	2.7	2.2	2.3	3.5	3.5	2.9	3.0	4.0	3.5	4.4	3.9	2.8	3.3	2.8	4.2	3.6	2.7	3.3	2.9	4.1	4.1	3.7	3.7	2.8	4.0	2.8	3.7	6.9	4.3	3.9	4.2	4.1	3.4	4.5	2.8
ZNF266	4.0	3.5	2.2	2.1	5.7	2.8	3.4	2.8	5.2	2.2	3.3	4.3	5.2	4.1	4.8	3.5	3.9	3.4	3.1	4.8	2.7	3.3	3.3	3.7	4.1	2.7	4.9	3.4	3.9	3.7	3.4	3.5	10.7	4.2	4.4	4.5	3.7	3.0	4.6	4.3
ZNF274	6.0	7.8	6.6	6.9	6.8	7.3	5.2	5.9	8.0	7.9	7.4	7.8	6.6	10.1	8.6	8.9	6.9	7.0	6.4	9.1	8.0	7.2	8.5	8.0	6.4	5.2	8.5	8.5	5.5	8.6	6.0	6.8	9.7	9.1	6.7	7.9	10.8	7.3	8.4	6.7
ZNF276	2.8	3.3	2.6	2.9	3.4	2.4	2.1	2.7	3.6	3.0	3.0	3.2	3.3	2.7	4.0	2.8	3.6	3.0	3.4	3.9	3.4	3.0	2.7	3.1	3.2	4.0	3.6	2.3	2.7	2.7	3.4	3.1	5.4	3.7	3.0	3.0	3.6	3.1	3.7	2.6
ZNF277	2.8	2.4	2.3	3.4	3.2	2.9	1.8	2.1	3.3	3.4	3.8	3.6	3.6	4.1	3.5	3.5	2.2	3.5	1.5	4.5	3.6	3.8	3.3	3.1	2.5	2.4	2.7	3.5	1.7	4.2	2.1	2.4	2.9	3.4	1.4	2.9	3.4	2.8	2.6	3.3
ZNF280D	4.2	4.3	3.3	3.5	4.3	3.7	3.2	3.5	4.8	4.0	3.4	4.0	5.0	6.1	5.5	3.6	3.9	4.6	3.8	5.4	4.3	3.9	4.3	4.2	3.4	5.7	4.3	4.7	3.9	3.3	5.5	4.3	6.4	3.2	4.1	3.3	6.3	3.6	4.2	5.1
ZNF282	1.9	2.3	2.4	1.7	3.2	2.1	2.1	2.2	2.8	2.9	2.2	2.9	2.9	2.9	3.5	2.6	2.3	2.5	2.7	2.9	3.0	2.4	2.4	2.7	2.2	2.4	3.4	3.1	1.7	2.9	2.5	3.1	3.5	2.7	2.8	2.5	3.1	2.2	3.6	3.0
ZNF295	1.1	0.7	1.2	0.6	0.9	1.3	0.7	0.9	1.5	1.8	0.9	0.6	1.2	0.9	0.9	1.3	1.4	1.3	1.6	2.0	1.3	0.7	0.6	0.5	1.1	1.8	0.9	1.0	0.4	1.5	0.7	0.9	5.0	3.7	1.8	1.7	2.6	1.0	1.5	1.1
ZNF3	4.1	5.1	5.0	4.0	5.0	4.1	3.4	4.7	5.4	4.4	5.1	5.1	5.4	5.5	5.5	4.8	4.4	4.9	4.5	5.9	4.8	4.4	5.6	5.4	3.5	3.4	7.0	5.3	3.1	4.5	5.0	6.0	5.7	5.2	5.2	4.8	5.7	3.6	6.0	5.0
ZNF300P1	1.1	0.7	0.8	0.6	1.6	0.7	0.4	1.1	1.1	1.3	1.0	2.4	1.7	1.8	1.8	1.1	1.4	0.9	1.3	2.0	3.5	0.8	1.0	1.1	1.0	1.1	0.5	1.8	1.4	1.1	0.9	0.9	1.5	1.5	1.7	1.0	3.7	0.6	1.1	1.1
ZNF302	11.9	14.0	9.2	10.3	16.5	9.3	8.4	10.5	14.6	11.8	11.3	13.0	11.8	13.3	12.2	11.3	12.5	14.1	10.8	13.7	14.0	11.6	14.9	13.0	11.0	9.9	14.2	13.9	8.1	9.8	10.4	11.1	10.7	12.7	12.1	9.0	16.8	8.2	12.6	13.7
ZNF304	2.1	2.7	2.8	2.4	2.5	2.9	2.2	2.4	2.9	2.3	2.8	3.1	2.5	2.6	2.3	2.3	2.5	3.0	2.6	3.5	2.3	2.6	2.7	2.6	1.6	1.8	3.0	3.0	1.8	1.5	2.2	2.0	2.9	2.7	3.0	2.8	4.0	2.1	3.0	2.8
ZNF317	2.3	2.7	2.5	2.7	2.7	2.4	1.8	2.3	3.4	2.8	2.9	2.7	3.0	3.5	3.6	3.3	2.8	2.8	3.0	3.1	3.2	2.5	3.2	2.8	2.3	2.8	3.7	3.0	1.8	2.7	2.5	3.2	4.8	3.6	2.8	3.8	3.5	3.0	4.2	3.1
ZNF318	2.4	2.9	2.5	2.4	2.8	2.5	2.0	2.5	3.1	2.5	2.7	1.8	2.2	2.6	2.3	2.0	2.1	2.1	2.4	3.0	2.2	2.3	2.5	2.2	1.8	2.4	2.0	2.3	1.3	1.4	2.1	2.4	4.0	2.3	1.8	2.0	2.8	1.9	2.1	3.5
ZNF32	17.0	15.9	15.4	17.4	13.8	16.3	14.1	14.9	13.7	13.7	11.7	14.4	16.4	16.7	15.7	13.6	15.0	14.2	12.7	14.6	14.1	13.9	11.9	13.7	12.0	11.1	16.2	16.3	12.2	15.3	12.9	15.3	14.2	12.6	15.5	11.0	18.3	11.7	12.4	12.7
ZNF322A	3.0	2.4	2.2	2.0	2.6	2.0	1.6	2.5	3.0	2.0	2.5	2.2	2.6	2.1	2.3	2.3	1.8	2.4	2.5	3.7	3.3	2.3	2.1	2.3	2.0	1.8	2.8	2.5	1.8	1.5	2.2	2.3	3.3	3.2	2.6	2.6	3.8	2.1	2.8	3.1
ZNF323	1.5	1.5	1.6	0.7	1.0	1.2	1.2	1.9	1.7	1.8	2.2	1.5	1.8	2.1	1.8	1.4	2.0	2.8	2.0	2.5	2.0	1.8	2.3	3.7	0.8	2.0	1.3	2.5	0.9	1.4	1.2	1.2	2.1	1.9	2.2	1.1	2.2	0.9	1.9	3.2
ZNF326	3.8	3.1	2.4	2.4	4.1	2.3	3.4	3.8	4.0	3.5	3.6	2.5	3.4	3.8	3.3	3.6	4.1	3.9	3.4	4.5	3.7	3.6	2.8	3.7	4.4	4.5	3.4	3.3	3.7	3.4	3.7	4.5	6.1	6.2	4.2	4.8	4.4	4.1	4.4	4.3
ZNF330	37.0	32.0	22.1	38.6	24.5	20.4	24.5	23.6	27.4	26.5	43.8	31.8	31.2	34.6	18.9	26.3	23.9	34.9	24.7	23.9	21.3	29.7	24.3	24.6	24.4	21.9	46.0	29.7	24.1	40.5	23.9	27.5	23.3	42.2	24.9	25.2	26.8	24.4	24.4	25.1
ZNF331	1.3	1.5	1.2	1.5	1.0	2.6	2.6	1.2	1.7	1.4	1.7	1.7	1.5	1.4	1.8	2.3	2.0	1.4	1.6	3.0	1.5	1.3	1.5	1.6	1.5	6.8	1.8	1.7	0.5	3.5	1.2	1.4	16.0	3.2	4.1	1.2	2.7	1.0	1.7	1.9
ZNF335	2.7	3.1	2.6	3.1	3.4	3.5	3.0	3.3	3.6	2.7	2.4	2.6	3.2	3.3	4.6	3.0	2.5	2.9	2.8	4.1	3.5	2.9	2.4	2.1	2.1	2.9	3.0	3.2	2.8	3.0	3.3	3.1	5.1	3.2	2.8	3.6	4.0	3.0	3.9	3.0
ZNF337	3.0	3.9	3.7	3.5	3.7	3.9	2.8	2.9	4.4	3.3	4.2	4.4	5.6	4.9	6.4	3.4	4.1	3.9	3.7	6.3	5.3	3.5	4.6	4.5	4.0	3.8	4.2	3.9	3.9	3.3	4.6	3.4	7.8	4.6	5.6	3.7	5.6	3.9	4.9	4.3
ZNF33A	2.2	2.3	2.6	1.5	2.1	1.9	2.0	2.5	3.0	1.7	2.5	1.2	1.2	1.4	0.6	1.6	1.7	2.4	2.1	3.0	1.4	1.6	1.9	1.7	1.2	1.1	1.9	1.5	0.6	0.6	1.4	1.1	2.2	2.0	1.7	2.1	2.5	0.9	1.7	3.0
ZNF350	2.0	2.5	2.0	2.0	2.9	2.4	2.6	2.8	3.0	2.3	3.1	2.4	2.1	2.5	2.5	2.3	2.6	3.1	2.2	3.6	2.7	2.6	2.7	2.4	2.3	1.8	3.2	2.9	2.1	1.9	2.4	3.2	2.8	1.9	3.1	3.0	2.8	2.3	3.5	3.5
ZNF354A	2.2	3.0	2.3	3.6	2.1	2.1	2.2	2.8	3.2	2.6	2.1	2.2	3.0	2.8	3.3	2.1	2.7	2.0	2.0	3.2	2.7	2.3	2.1	2.3	2.3	2.5	3.7	3.3	2.5	2.8	2.8	3.1	4.3	2.7	2.6	2.0	3.2	2.7	3.2	2.3
ZNF358	18.6	16.6	15.1	18.7	20.4	16.0	16.4	17.0	19.0	17.2	14.0	15.2	20.1	26.3	19.8	18.5	21.6	16.0	17.1	13.1	20.2	14.3	13.8	14.5	20.3	16.2	20.4	20.4	15.7	16.9	19.9	16.1	20.2	20.7	18.8	15.6	24.0	16.1	18.6	15.3
ZNF362	6.2	6.8	5.1	6.0	7.4	6.8	6.1	7.0	7.2	6.4	7.6	7.9	6.4	7.4	9.9	7.5	6.7	6.3	7.4	7.7	6.6	7.1	8.3	7.1	6.1	8.0	6.9	7.6	5.5	6.9	6.3	6.1	5.9	6.2	6.0	6.0	6.8	5.6	7.3	9.5
ZNF366	1.5	1.7	2.2	2.3	2.5	2.8	1.9	2.9	1.6	1.5	1.7	1.1	0.8	0.7	0.9	0.7	1.2	2.2	2.6	0.9	1.7	1.2	1.8	1.8	0.2	1.0	1.7	1.7	0.4	0.2	3.1	2.0	1.9	3.2	1.8	1.4	3.2	1.6	2.1	1.9
ZNF384	5.5	6.0	4.4	5.3	6.4	4.9	4.4	5.0	7.6	5.8	6.0	6.7	7.4	7.2	8.9	6.0	5.6	5.5	6.1	8.9	7.9	5.7	6.6	6.0	4.6	6.1	6.4	6.5	5.1	5.8	6.5	6.5	10.6	7.3	5.4	6.3	7.2	6.3	7.2	6.9
ZNF385A	3.9	2.8	2.8	4.4	3.8	3.0	2.4	3.3	5.6	2.1	2.5	1.2	2.4	1.6	7.5	2.2	2.6	2.2	2.7	3.9	7.6	2.6	2.1	2.1	2.0	2.7	1.3	2.5	2.1	2.9	1.9	3.0	8.1	2.4	1.8	2.4	2.1	2.4	2.5	3.1
ZNF385B	0.1	1.0	0.0	1.2	0.1	0.0	0.6	0.1	0.0	1.2	0.2	0.1	0.5	1.3	0.7	0.1	3.3	0.1	0.4	0.1	0.7	1.0	1.6	0.1	0.1	0.1	0.4	2.9	0.1	1.4	0.4	0.3	1.1	0.3	0.4	0.7	1.3	0.4	3.7	0.6
ZNF394	3.2	4.0	3.0	4.0	5.2	3.5	4.2	3.6	4.8	5.2	3.8	4.2	5.1	3.1	5.6	4.7	4.4	3.9	3.9	5.2	4.2	4.1	4.1	4.4	5.0	4.1	5.9	5.6	3.2	6.6	4.0	4.2	9.0	4.3	4.4	4.7	4.4	4.6	6.1	4.7
ZNF395	5.6	4.6	3.0	3.0	5.9	4.5	4.2	5.4	5.5	4.0	5.6	4.7	4.4	5.1	7.1	5.5	4.4	4.7	4.9	6.4	5.5	5.1	4.5	4.9	2.9	4.5	5.4	3.8	2.6	2.6	3.3	3.3	6.8	3.6	4.3	3.9	3.8	3.4	6.4	6.8
ZNF404	2.3	3.1	1.0	2.6	1.6	2.4	2.5	2.2	4.4	2.6	4.0	3.6	3.9	3.4	3.0	2.3	2.2	4.1	2.7	3.3	2.7	3.4	3.2	3.7	3.9	4.1	3.3	3.5	3.0	2.8	4.0	1.9	2.5	3.5	3.1	1.6	4.3	2.0	3.2	3.6
ZNF408	1.5	1.6	1.3	1.3	1.9	1.5	1.1	1.8	2.0	0.8	2.0	1.6	2.1	3.2	3.3	1.7	1.3	1.8	1.6	2.2	1.6	2.1	1.6	1.7	2.2	1.7	1.4	2.6	2.0	2.2	2.4	2.3	1.6	2.5	1.8	2.0	1.9	1.4	2.6	2.0
ZNF41	3.8	4.4	4.7	4.4	4.3	3.3	3.1	4.6	4.8	3.9	3.6	3.7	3.3	3.4	2.3	4.4	3.1	4.6	3.7	4.9	3.5	4.1	4.8	3.9	2.5	3.2	4.6	4.9	1.8	1.8	3.8	4.0	3.4	4.1	3.6	4.5	6.1	3.5	3.9	4.5
ZNF410	4.9	4.6	4.1	6.7	5.4	5.0	3.4	4.7	5.1	6.0	4.4	5.3	7.1	8.4	6.9	5.0	6.2	5.1	4.3	6.8	6.1	5.8	4.8	5.3	4.6	6.0	6.2	6.2	5.1	5.9	4.5	5.0	9.1	8.3	5.8	5.6	6.5	5.5	6.9	5.1
ZNF414	2.1	3.0	3.3	2.7	4.3	4.5	3.0	3.4	3.6	3.1	3.1	4.5	3.5	2.7	5.7	2.9	2.5	2.7	3.1	3.2	3.0	3.9	2.1	3.2	2.6	3.3	3.2	4.4	2.7	4.3	4.0	3.8	4.4	3.4	3.4	2.9	3.8	3.7	2.8	3.0
ZNF415	3.3	4.9	4.7	3.5	4.4	3.6	3.6	4.9	6.8	4.9	5.4	4.7	4.9	5.7	4.4	5.5	5.9	6.4	5.6	8.5	4.6	5.2	6.4	5.8	5.3	4.4	4.5	7.3	2.7	4.2	3.9	4.7	3.7	5.2	4.5	4.8	5.5	3.1	3.2	5.4
ZNF419	1.9	1.6	1.9	1.8	1.4	1.5	1.8	1.7	2.8	1.5	1.7	2.1	3.0	2.5	2.3	1.9	1.7	1.8	2.1	2.3	2.3	2.5	2.5	2.7	2.3	1.5	2.7	2.3	2.3	3.4	2.3	2.3	1.6	1.9	2.3	2.6	3.4	1.9	2.9	3.0
ZNF423	2.1	1.1	0.5	1.0	2.1	1.7	1.0	1.8	2.5	1.6	2.0	1.2	1.6	1.4	6.2	1.9	2.3	2.0	2.6	3.7	3.3	2.5	1.8	1.8	1.0	2.8	1.7	2.1	2.2	0.9	1.2	2.1	1.8	1.8	1.1	1.5	1.7	1.5	1.0	2.4
ZNF428	2.9	3.1	3.2	2.7	3.3	2.9	2.5	3.2	3.7	2.5	5.0	5.4	2.3	2.6	5.0	2.5	3.9	3.2	4.2	4.6	2.4	3.1	3.1	3.2	4.2	3.9	4.3	4.5	2.2	4.7	4.0	3.8	3.6	4.3	4.5	3.5	3.0	3.4	3.3	2.8
ZNF436	4.9	3.9	2.7	4.4	5.3	3.4	3.0	4.3	6.3	4.8	4.2	4.6	5.4	3.6	4.6	4.0	3.7	4.4	3.3	4.9	4.9	4.2	5.0	4.3	3.7	2.7	4.1	3.5	2.6	1.9	3.3	3.8	4.1	4.8	3.4	3.7	5.0	3.2	5.9	5.6
ZNF438	3.7	4.0	3.8	5.0	6.6	4.0	3.6	4.3	4.4	3.9	3.5	3.6	4.4	5.8	5.9	5.2	4.4	3.9	4.0	5.2	4.7	4.1	4.0	4.5	3.5	5.1	4.5	3.8	3.2	4.2	4.3	5.3	6.0	5.6	4.1	4.9	5.8	4.0	5.1	5.7
ZNF444	2.8	2.5	1.5	2.3	3.1	3.1	1.9	2.4	3.2	2.3	2.7	2.8	3.2	2.3	4.3	2.4	2.6	2.2	2.5	2.5	3.1	2.5	2.5	2.8	2.6	2.8	4.0	3.3	3.0	3.1	2.9	2.5	3.1	3.3	3.3	2.9	2.5	2.4	2.7	2.4
ZNF446	0.9	2.1	1.5	1.8	2.6	2.2	2.0	1.4	2.4	1.3	2.2	2.4	2.2	2.6	2.7	2.0	2.0	1.4	1.2	3.2	1.8	1.9	2.0	1.7	1.9	1.4	2.0	3.0	1.8	2.3	2.1	1.6	1.7	2.2	1.6	1.4	2.3	2.0	2.3	1.6
ZNF451	3.4	2.9	2.7	2.4	3.0	2.3	2.1	3.0	3.5	2.1	2.7	2.1	2.8	3.0	1.7	2.8	2.5	2.7	3.0	4.5	2.8	2.8	2.6	2.6	2.2	3.0	2.9	2.2	1.4	1.6	2.2	2.3	4.6	3.7	2.6	3.8	3.7	2.6	3.0	3.6
ZNF462	2.6	1.8	2.7	1.6	2.1	1.9	1.5	2.4	3.1	2.8	2.8	2.4	2.0	3.1	1.9	2.6	3.8	3.5	3.4	2.8	2.8	2.6	3.2	3.6	1.7	3.0	2.7	2.5	1.5	1.1	2.1	2.1	2.6	2.5	2.4	1.6	2.5	1.6	2.5	3.8
ZNF467	1.9	1.6	1.1	2.0	2.1	1.1	1.0	1.3	2.4	2.5	1.0	3.2	2.5	1.6	3.4	1.7	2.4	2.5	2.1	1.9	2.7	1.6	2.1	1.6	0.8	2.5	1.1	1.5	1.3	1.4	1.4	1.4	3.3	2.8	1.8	1.3	2.5	1.8	1.7	1.4

ZNF496	2.5	3.0	2.2	2.6	4.1	2.9	2.5	3.1	3.6	3.4	4.2	4.0	2.9	2.8	4.0	3.2	3.5	3.4	3.2	4.8	2.9	3.5	3.9	3.7	2.3	3.6	4.5	4.0	1.7	2.2	2.3	2.7	5.1	4.2	3.5	3.9	3.7	3.8	3.9	3.5
ZNF503	1.5	2.1	1.2	1.5	1.4	1.5	1.2	1.6	1.8	1.0	0.9	1.3	1.6	1.5	4.4	1.5	1.0	1.2	1.4	2.3	3.2	1.2	0.9	1.4	1.4	1.6	2.3	1.6	1.4	1.1	1.6	2.4	2.0	1.3	2.0	1.8	2.3	0.7	1.9	1.7
ZNF511	9.7	9.0	7.1	9.3	9.1	9.9	9.3	10.2	9.4	9.5	8.5	8.0	10.2	11.5	7.7	8.4	8.6	9.1	8.1	8.2	9.6	7.5	7.3	9.1	7.3	6.4	9.7	7.1	8.4	11.3	11.1	9.7	6.9	8.4	11.1	10.2	11.5	8.2	6.1	9.1
ZNF512	5.2	6.3	4.7	6.0	5.1	4.3	4.6	5.2	5.7	5.6	5.3	6.9	6.0	6.4	7.7	6.5	6.2	6.9	5.5	8.6	7.1	5.8	7.0	6.8	4.4	6.4	6.9	7.0	4.5	5.9	5.6	5.8	8.3	6.7	6.8	6.2	7.5	5.6	7.5	7.5
ZNF512B	2.6	2.9	2.7	2.9	3.4	3.3	2.6	2.7	3.9	3.3	4.1	3.9	3.3	3.6	4.7	3.5	3.4	3.3	3.8	4.7	4.0	3.4	3.6	3.8	2.8	3.0	3.2	4.2	3.2	3.1	3.3	3.5	3.7	3.3	3.5	2.7	3.7	3.3	3.0	3.5
ZNF513	2.6	2.5	2.4	2.6	3.2	2.7	2.7	3.1	4.2	3.0	2.5	2.9	3.9	3.4	4.1	2.8	4.3	2.5	2.4	3.6	3.8	2.7	2.7	2.6	3.4	2.4	3.3	3.1	2.9	3.7	3.0	3.6	5.4	4.5	4.6	3.1	4.3	4.1	3.3	2.8
ZNF514	2.3	2.1	1.4	1.5	3.0	2.5	1.7	1.8	2.5	2.5	3.3	1.2	3.1	3.3	3.3	2.4	3.0	2.3	1.9	3.3	2.9	2.5	2.8	2.5	1.7	3.0	2.9	2.5	2.8	1.6	3.5	3.0	5.8	2.4	2.0	2.1	3.6	1.5	1.9	2.8
ZNF521	2.2	1.7	1.0	1.8	2.2	1.7	2.1	2.3	3.2	1.9	2.3	1.5	2.6	2.4	4.3	2.0	2.1	1.9	2.0	3.7	3.3	2.3	2.7	2.2	1.1	3.3	1.2	2.3	2.1	1.6	1.9	1.9	2.9	1.9	2.5	1.9	2.1	1.6	2.2	2.6
ZNF524	3.9	3.7	2.8	4.6	4.3	4.8	3.0	3.8	3.6	3.2	3.9	3.7	4.9	4.6	4.1	2.6	3.0	1.9	4.3	4.1	4.3	3.7	3.0	3.5	3.7	3.2	2.6	3.6	3.5	4.0	3.5	4.2	5.5	3.7	4.3	3.1	6.1	4.1	2.3	3.2
ZNF528	2.3	2.4	1.6	1.9	1.9	1.8	1.8	1.3	2.0	1.6	2.7	1.9	1.6	2.4	1.9	2.3	2.1	3.1	2.9	3.7	2.8	2.0	3.2	2.7	1.6	1.5	2.5	2.8	1.5	2.4	2.4	2.1	2.3	3.1	2.9	2.8	3.2	1.7	2.6	2.9
ZNF532	10.7	10.9	11.0	10.9	13.3	9.0	7.9	10.0	12.0	8.6	10.2	8.6	8.6	12.0	10.1	9.9	10.9	10.7	10.9	13.5	10.2	11.0	9.8	9.8	7.0	9.5	9.6	11.0	6.3	6.3	10.9	10.3	13.0	11.0	10.4	12.0	14.5	11.3	11.1	12.0
ZNF544	2.8	2.7	3.0	2.1	2.7	2.8	2.5	2.9	3.2	2.7	2.6	2.9	3.0	3.2	2.6	3.5	2.3	3.3	2.6	3.6	2.5	2.8	3.6	3.5	2.5	2.0	2.3	2.7	1.9	3.0	2.6	3.0	2.3	2.9	2.5	2.9	3.0	2.5	3.0	3.3
ZNF550	2.5	2.4	2.4	2.4	1.7	3.1	1.4	1.7	2.7	2.4	2.3	2.3	1.6	2.0	2.6	1.8	1.8	2.4	2.6	4.1	2.1	2.3	1.9	2.3	2.3	2.4	3.2	2.5	1.4	0.4	2.4	2.5	2.3	2.6	2.9	2.6	4.0	1.4	2.5	1.8
ZNF559	3.1	3.1	3.5	3.4	3.4	3.8	3.4	3.6	3.7	3.0	3.3	3.1	3.2	5.7	4.0	2.8	2.0	3.0	2.9	4.6	3.3	3.6	3.9	3.5	3.5	3.8	3.6	2.2	3.2	3.9	3.3	3.0	2.7	2.4	3.6	3.5	4.1	2.6	3.2	4.2
ZNF574	2.0	2.3	1.6	1.7	2.2	2.6	1.4	2.1	2.8	2.4	2.4	2.4	2.5	2.9	3.8	2.0	1.9	2.2	2.3	3.0	3.2	2.2	2.2	2.4	1.9	1.7	2.6	3.2	2.0	1.9	2.0	2.0	2.3	2.5	2.4	2.2	3.0	2.2	2.4	2.6
ZNF577	2.6	3.0	1.7	2.0	2.6	2.5	2.0	1.8	2.4	2.2	2.0	2.4	2.9	3.1	3.3	1.9	2.3	2.4	3.1	3.1	3.0	1.7	3.1	2.1	2.1	3.0	2.5	3.4	2.0	2.8	3.0	2.1	3.2	2.9	3.5	2.3	3.0	1.6	2.3	2.4
ZNF580	1.7	1.3	1.4	1.5	2.0	1.8	1.4	2.2	2.7	2.5	1.7	1.8	2.2	3.1	3.7	2.0	3.4	2.0	1.8	2.9	1.7	1.2	2.2	2.4	3.4	1.9	2.5	2.3	2.6	1.8	2.5	1.8	2.1	2.3	1.4	1.7	1.7	1.8	2.3	1.4
ZNF581	2.7	2.0	1.4	1.8	2.8	2.4	1.5	1.8	2.3	1.3	1.8	2.6	2.0	2.0	3.1	1.8	1.2	1.7	1.6	2.2	2.0	1.9	1.6	2.2	1.7	1.9	2.2	1.6	2.0	1.9	1.8	1.3	3.3	2.1	1.2	1.7	1.6	1.3	1.9	1.5
ZNF584	1.7	3.0	3.8	3.5	2.3	1.9	2.8	2.5	3.2	2.4	3.1	2.6	2.5	2.6	2.5	2.8	1.8	2.5	1.9	3.5	2.5	2.6	2.1	3.0	2.0	1.8	3.2	2.2	1.8	2.1	2.3	2.9	1.7	2.4	1.4	2.2	2.4	2.0	2.6	2.3
ZNF589	2.4	2.1	1.9	1.9	2.2	2.7	1.6	1.9	2.7	1.6	2.4	2.6	2.4	2.2	3.4	2.2	1.8	2.2	1.8	3.2	2.4	2.4	1.8	2.2	1.7	2.2	2.6	2.3	1.9	1.8	1.6	2.0	4.0	1.7	1.4	2.3	2.2	1.9	2.4	2.5
ZNF592	3.4	3.8	3.4	3.3	4.7	3.4	2.7	4.2	4.3	4.3	3.3	3.4	3.9	4.1	4.2	4.0	4.3	4.0	3.9	4.5	3.6	3.4	3.4	3.3	2.5	3.9	4.3	4.0	2.7	2.4	3.0	3.3	5.7	4.9	3.7	4.8	4.3	3.8	4.1	3.8
ZNF593	4.1	4.5	6.6	6.5	6.9	5.4	4.6	3.6	5.3	5.1	3.4	6.2	4.8	8.6	4.3	4.9	6.4	3.2	7.0	5.7	5.4	5.3	6.0	3.5	5.1	4.5	6.6	6.5	4.8	9.0	5.1	7.7	11.5	5.5	6.3	7.5	5.1	6.1	5.8	2.2
ZNF598	3.3	3.4	3.4	4.0	4.8	4.4	2.9	3.3	4.2	4.5	3.5	3.5	3.6	5.0	5.5	4.0	4.3	2.9	3.9	3.9	5.0	3.2	3.0	3.2	3.6	4.0	4.1	3.7	3.4	3.9	3.5	4.0	7.4	4.9	3.1	4.0	5.1	5.2	4.3	2.8
ZNF608	1.0	1.4	1.8	2.5	1.2	0.9	2.0	1.5	2.4	1.4	2.3	1.1	2.0	2.2	1.7	1.3	2.4	1.3	1.5	2.3	1.7	2.8	2.4	1.6	0.9	1.6	1.5	2.1	1.4	1.5	2.4	2.4	2.9	1.6	0.5	4.4	2.6	3.0	3.5	3.7
ZNF609	3.0	3.2	2.5	2.7	3.3	2.9	2.7	3.3	3.9	2.9	3.3	2.9	3.1	3.5	4.0	4.1	3.4	3.4	3.4	4.5	3.5	3.0	3.5	2.9	2.7	4.1	3.6	3.5	2.5	2.3	2.8	3.2	5.9	4.2	2.7	4.2	4.3	3.8	5.6	3.8
ZNF622	16.5	23.8	13.8	16.8	33.3	19.9	21.1	18.1	14.4	14.0	18.1	15.3	17.7	28.1	17.8	19.2	19.1	16.6	14.6	11.6	18.4	14.0	19.0	14.9	16.7	16.1	33.9	19.8	12.0	23.4	16.6	21.3	23.2	29.6	18.9	34.3	26.9	36.3	31.2	16.2
ZNF629	4.9	5.7	6.1	5.0	4.9	5.0	3.2	5.4	7.3	5.9	7.0	6.7	4.7	5.6	5.6	6.4	4.7	6.0	5.2	5.3	5.7	6.5	7.6	7.1	4.6	3.9	5.9	5.6	3.3	4.4	5.0	5.4	2.5	4.5	4.0	4.4	4.6	4.1	4.8	5.7
ZNF638	14.9	12.5	9.7	9.4	10.8	10.0	11.5	10.5	13.7	10.9	11.3	8.3	10.9	11.6	8.6	10.0	10.0	11.2	11.6	14.1	11.9	10.6	12.1	10.9	9.2	10.1	10.0	10.1	6.5	9.6	10.8	9.6	13.6	12.6	11.0	12.2	13.4	7.8	11.8	14.5
ZNF639	3.8	3.8	2.9	3.4	3.6	3.4	3.5	3.5	4.1	2.8	2.9	2.7	3.6	3.8	3.9	3.4	3.1	2.5	2.2	3.3	3.2	3.1	3.7	3.0	2.9	3.6	3.5	3.6	2.1	2.8	3.3	3.7	3.2	2.7	2.9	2.7	3.1	3.2	3.3	4.6
ZNF641	2.6	3.1	2.2	2.4	2.7	2.4	1.9	2.7	3.4	2.8	2.2	2.4	3.0	2.9	3.4	2.9	3.2	3.5	2.5	4.8	2.9	3.3	2.7	2.7	2.2	2.5	3.0	3.3	2.3	2.1	2.8	2.7	3.6	2.9	2.4	3.5	3.5	2.8	3.5	3.1
ZNF644	3.8	3.8	3.3	3.7	4.6	3.5	2.8	4.4	4.6	3.9	3.7	3.2	4.3	5.0	4.3	3.2	3.5	4.5	3.7	4.7	3.9	3.8	3.5	3.5	3.1	4.9	4.2	5.1	2.8	3.8	4.1	4.1	6.6	4.5	6.0	3.5	5.2	3.7	4.6	4.5
ZNF655	7.7	8.1	6.9	8.5	8.6	7.9	7.4	8.3	9.7	7.2	7.6	6.2	8.4	9.6	7.2	6.4	7.4	7.7	8.3	10.5	7.5	6.0	7.4	7.7	7.8	7.0	8.5	7.1	6.1	6.9	8.5	7.4	12.0	9.9	7.8	10.2	10.5	7.4	9.3	9.0
ZNF664	16.0	16.3	15.7	14.0	16.5	12.8	12.5	17.9	18.9	15.8	16.2	14.0	15.6	18.3	14.1	16.3	17.1	17.7	14.4	16.1	13.3	15.3	17.3	14.8	11.1	13.9	14.4	15.1	10.9	9.1	12.2	13.8	15.9	18.2	13.9	14.5	14.7	18.1	17.7	19.4
ZNF671	2.3	2.8	2.0	2.7	3.3	2.7	2.2	2.9	3.5	2.4	2.9	3.4	3.5	3.7	3.4	2.4	2.7	3.2	3.1	3.7	3.2	2.6	3.0	3.7	2.6	2.2	3.7	4.4	2.7	2.5	3.3	2.9	2.5	2.9	4.1	2.8	3.6	2.4	3.1	3.1
ZNF672	8.2	11.2	7.2	7.3	9.6	8.4	7.6	8.0	9.6	8.2	7.4	9.0	8.6	10.0	7.2	9.4	8.2	8.7	7.9	8.9	8.5	8.4	8.5	8.4	7.2	8.8	9.2	10.2	7.4	9.3	8.0	9.4	9.8	10.4	9.0	10.0	12.8	8.2	10.8	7.1
ZNF680	1.7	3.0	2.8	2.2	3.1	2.3	2.1	2.4	3.0	2.3	2.3	2.5	2.5	2.6	3.3	2.1	1.9	2.8	1.8	3.6	2.9	2.3	2.3	1.8	2.1	3.7	2.9	3.3	1.9	2.3	2.9	2.8	3.3	3.1	2.2	2.8	3.6	2.8	2.5	3.0
ZNF687	2.5	2.8	2.9	2.4	3.1	3.2	2.6	2.5	3.9	2.9	3.5	3.9	3.0	3.5	4.1	2.9	3.4	2.7	2.7	3.3	3.6	3.3	3.3	3.2	2.1	2.2	3.3	3.5	2.3	1.7	2.7	3.2	2.9	2.6	2.7	2.6	2.9	2.9	3.1	3.4
ZNF688	2.8	2.6	2.8	3.0	3.1	4.2	3.0	2.6	3.2	3.4	3.4	3.9	4.1	4.3	3.7	3.4	2.6	3.2	3.3	3.4	4.2	3.7	3.6	3.3	2.5	2.6	2.8	4.0	3.2	2.8	2.7	2.2	3.0	2.4	2.2	2.6	3.6	2.3	3.2	3.4
ZNF691	1.6	2.1	2.1	2.8	2.1	2.4	1.8	2.5	2.4	2.4	2.6	3.3	2.4	3.0	2.8	2.1	1.9	3.6	3.9	3.2	3.1	1.9	3.1	2.9	2.0	1.8	2.3	2.4	2.1	3.0	3.4	3.0	2.4	1.8	2.1	2.5	3.7	2.3	3.2	3.0
ZNF692	4.6	4.4	2.2	3.8	5.3	3.6	3.2	4.0	4.6	3.2	3.1	3.4	5.9	4.9	6.0	4.0	3.7	3.7	3.7	4.8	4.4	2.5	3.0	3.7	4.5	5.1	5.4	4.6	5.0	6.3	6.2	5.1	7.0	4.9	4.3	4.1	5.3	3.7	4.5	4.2
ZNF7	3.3	4.5	4.0	3.7	5.2	4.7	4.4	4.6	5.0	3.4	3.9	4.0	4.3	4.7	4.8	3.7	3.6	4.1	3.6	5.5	3.5	4.1	5.2	3.6	4.1	3.7	4.5	4.9	3.4	3.7	4.3	5.3	4.6	3.7	5.3	3.6	4.6	3.4	4.6	4.9
ZNF703	2.7	1.5	2.6	2.1	3.4	2.7	2.3	2.4	1.7	0.8	1.0	0.7	1.0	1.4	3.1	2.5	0.7	1.2	1.4	0.9	2.5	1.1	0.7	1.0	4.4	2.4	2.9	2.4	3.5	3.8	2.2	3.5	3.2	3.5	4.5	2.8	3.5	1.8	2.9	1.7
ZNF704	3.3	3.3	1.7	2.2	3.0	3.2	2.2	3.0	3.7	2.9	3.6	2.8	3.0	3.6	3.7	2.6	3.7	3.8	3.3	4.8	3.0	3.3	2.3	2.2	2.7	4.4	2.7	3.1	2.8	2.4	2.1	2.3	3.6	4.8	4.0	2.8	3.5	2.3	2.8	3.5
ZNF706	6.6	5.9	4.9	5.8	5.3	5.7	5.5	5.9	7.0	6.4	7.4	5.6	6.9	5.9	9.9	6.6	6.0	5.9	5.3	6.6	5.6	5.8	6.5	6.5	5.4	6.9	6.6	7.4	5.8	8.5	6.1	7.4	9.7	6.8	7.1	6.4	6.2	5.3	5.8	7.7
ZNF710	5.4	6.1	5.1	5.1	6.2	5.6	4.8	7.8	7.4	4.1	9.6	5.8	4.0	3.7	4.6	6.7	3.3	8.1	5.5	6.1	5.7	6.6	5.5	6.1	4.4	3.6	7.6	7.5	3.5	3.5	4.9	5.9	3.3	8.0	7.0	5.3	9.3	5.3	6.2	8.7
ZNF740	3.0	3.4	2.3	2.6	3.7	3.0	2.3	3.1	3.8	3.1	2.8	3.1	3.6	3.8	4.2	2.9	3.4	3.5	3.5	4.2	3.8	3.5	3.2	3.1	2.5	2.3	4.2	3.8	2.7	2.6	2.6	2.7	5.3	3.1	3.5	3.4	3.6	2.9	4.4	3.7
ZNF75A	2.4	3.8	4.1	3.2	4.3	3.4	3.2	4.0	4.4	3.0	4.0	3.4	3.4	3.5	4.9	3.5	2.7	4.3	3.3	5.0	4.2	3.5	4.7	3.9	3.7	1.4	4.4	4.5	2.8	3.7	4.0	4.0	2.6	3.6	3.1	4.2	5.3	2.7	5.3	4.7
ZNF76	9.4	10.5	7.4	7.9	11.2	11.4	8.3	10.0	11.3	9.5	11.6	10.3	10.4	8.8	10.9	8.8	9.6	8.7	10.3	10.8	8.5	9.9	9.1	11.4	8.0	10.3	14.1	12.1	8.0	11.9	10.8	9.4	9.7	9.7	10.5	7.9	11.6	6.8	9.3	11.1
ZNF766	2.2	2.4	2.5	2.7	2.2	2.4	1.9	2.0	2.8	2.9	2.6	2.4	2.8	3.4	3.1	2.7	2.5	2.4	2.0	3.4	2.1	3.1	2.4	2.8	1.9	1.9	2.9	2.9	2.0	2.5	1.9	2.4	2.7	2.5	2.5	2.5	2.5	2.4	2.9	2.7
ZNF768	13.1	12.4	9.9	14.5	14.0	11.8	12.0	12.8	12.1	10.3	11.8	10.5	12.3	16.2	13.4	13.6	10.3	10.6	10.3	9.9	10.6	11.1	12.3	10.8	9.2	9.0	12.8	13.5	9.9	11.4	12.1	14.9	9.4	13.2	11.6	10.5	13.1	10.9	13.5	12.7
ZNF770	5.0	4.8	4.8	5.4	4.2	4.1	4.0	5.3	5.3	3.6	4.8	3.1	3.3	4.5	2.1	3.8	3.3	5.1	4.6	5.1	3.5	4.3	4.1	3.9	3.1	3.7	4.3	3.8	1.3	2.2	3.6	3.3	4.4	4.5	4.0	4.1	6.2	2.8	4.2	4.8
ZNF774	0.7	1.1	2.2	0.7	2.0	0.9	0.7	0.7	1.6	1.1	1.4	0.8	0.7	1.5	1.1	0.9	1.1	1.0	0.9	0.7	0.7	1.0	1.7	1.4	1.1	0.7	4.3	1.9	0.8	0.3	2.1	1.5	1.4	0.9	2.1	4.3	1.8	2.0	1.4	2.0
ZNF784	3.5	5.4	4.3	3.6	5.0	4.7	3.8	3.8	3.8	3.1	2.4	3.4	3.7	4.4	3.4	3.1	3.1	3.2	3.0	3.0	2.7	2.5	3.3	3.0	3.7	2.0	4.9	4.7	2.7	4.0	4.5	4.0	2.7	3.5	4.3	3.2	4.6	3.0	3.6	3.7
ZNF787	4.2	4.8	5.9	6.6	5.7	4.1	4.7	4.5	4.2	4.2	4.7	4.8	3.8	5.6	4.1	4.2	3.1	3.4	4.7	3.9	4.2	3.8	3.6	3.8	3.7	5.6	5.1	4.7	3.4	5.2	4.5	4.8	6.4	4.6	4.2	3.9	4.6	4.8	4.2	3.8
ZNF791	2.6	3.1	3.4	2.1	2.7	2.4	2.8	3.2	4.1	3.2	3.1	2.0	1.9	3.3	1.7	2.4	2.9	3.0	3.0	4.1	2.1	2.5	2.7	2.9	2.1	2.9	2.9	2.1	0.8	1.7	2.1	2.6	4.0	3.6	2.8	3.9	3.5	2.3	2.6	4.2
ZNF827	2.0	2.2	2.0	1.6	2.4	2.2	1.5	2.7	3.5	2.1	2.4	2.6	1.4	3.7	1.4	2.0	2.8	3.3	2.3	4.1	2.3	2.4	3.3	3.8	2.0	2.7	2.6	2.5	1.3	1.1	2.0	2.2	1.8	3.9	1.8	3.2	3.2	3.8	3.2	3.3
ZNF828	2.1	3.1	2.8	3.0	3.0	2.2	2.3	2.6	3.5	2.5	3.0	2.6	2.9	3.6	3.3	3.4	2.9	2.7	2.6	2.6	3.0	2.7	2.8	2.6	2.5	1.9	3.9	3.5	1.8	1.8	2.1	3.3	3.1	2.3	2.7	2.6	4.0	2.3	3.4	3.6
ZNF83	7.0	7.4	4.8	7.8	8.0	8.7	7.0	5.0	12.3	10.3	10.3	11.2	8.2	10.3	13.0	8.8	10.4	13.9	9.4	11.2	8.9	8.8	7.6	10.5	8.9	14.2	9.8	9.8	8.2	9.3	9.3	8.4	20.1	14.8	8.5	6.5	7.9	6.1	7.8	11.3
ZNF830	2.7	2.7	2.5	2.3	2.8	3.1	2.7	3.0	4.4	2.6	3.5	3.7	4.5	3.7	4.2	3.2	2.8	3.9	3.2	5.0	3.9	2.6	3.4	3.2	3.6	3.0	5.0	3.5	3.0	3.7	3.3	3.6	5.4	5.0	3.9	4.2	5.1	3.2	5.5	3.4
ZNF839	2.2	2.7	3.3	2.0	2.2	3.3	2.4	2.1	3.3	1.7	2.7	3.1	3.1	3.2	3.0	2.4	2.6	2.7	2.9	3.1	2.6	2.8	2.8	3.3	2.8	2.3	4.0	2.5	2.4	3.0	3.0	2.7	2.7	2.4	3.2	2.1	2.8	2.9	2.8	3.2
ZNF84	2.4	2.2	1.9	1.6	2.2	1.8	1.5	2.1	2.5	2.1	2.1	2.1	2.5	2.2	2.8	2.1	2.1	3.0	2.3	3.1	2.7	2.1	2.4	2.3	2.3	2.2	1.9	2.1	1.6	1.7	1.8	1.8	3.4	2.7	2.1	2.1	3.3	1.7	2.0	2.4
ZNF844	2.4	3.7	3.0	2.0	3.7	3.4	3.0	2.9	4.0	3.7	4.5	4.5	2.5	4.3	2.7	3.3	3.9	5.6	4.1	4.4	4.3	3.7	3.7	4.5	3.1	4.1	4.2	4.0	1.7	2.1	2.9	1.7	3.4	3.5	3.6	4.8	3.5	2.5	4.2	4.5
ZNF853	2.2	2.5	1.7	1.7	2.0	2.4	1.5	2.5	3.0	3.5	3.4	2.9	3.0	4.5	3.3	2.3	4.1	3.3	3.2	2.5	3.2	2.1	2.6	2.7	2.3	2.5	3.4	3.3	2.1	2.3	2.8	2.5	2.2	3.0	3.5	2.0	4.8	2.9	3.0	2.1
ZNF865	2.5	3.4	2.8	3.0	3.3	3.2	2.8	3.3	2.9	2.3	2.2	2.3	3.0	3.3	3.3	2.4	2.1	2.0	2.0	2.0	2.3	2.3	2.1	2.6	2.1	2.4	3.0	3.5	2.1	3.0	2.7	2.5	2.6	2.7	2.7	2.2	3.6	2.6	2.7	2.3
ZNF880	1.3	1.3	3.0	3.5	1.3	2.4	0.6	2.2	1.2	3.1	2.0	2.9	3.2	4.7	1.1	1.0	3.1	5.4	2.5	6.0	4.2	2.8	1.7	1.6	1.2	2.7	3.0	1.3	2.0	2.8	0.8	1.4	2.6	5.6	3.0	4.9	5.1	3.1	1.3	1.6
ZNFX1	5.5	5.6	4.9	4.5	8.0	4.9	4.7	5.9	7.4	6.5	6.2	5.0	8.5	5.2	7.5	7.5	6.1	5.6	6.4	8.3	6.8	6.2	6.1	7.6	4.1	6.0	6.8	5.7	4.3	4.3	4.6	6.4	8.9	7.9	4.9	8.0	7.0	6.1	7.0	6.0
ZNHIT1	11.1	11.4	10.6	8.0	16.4	16.5	13.2	13.1	12.6	12.2	15.9	15.2	17.3	19.6	16.0	13.5	14.3	11.2	14.1	13.9	16.5	12.9	12.4	13.5	12.6	10.3	12.9	12.9	13.6	17.8	14.5	15.3	13.9	13.0	10.6	13.2	15.5	13.2	12.5	11.9
ZNHIT3	6.7	8.8	7.7	6.7	7.9	9.4	6.9	4.8	8.0	6.1	9.9	8.0	7.8	10.1	9.5	7.1	7.4	8.4	7.1	7.9	9.8	6.2	9.1	8.9	7.1	5.9	9.6	11.7	5.5	9.1	7.1	8.1	9.6	7.6	7.9	6.8	7.7	6.0	7.9	6.7
ZNRD1	1.7	4.0	3.6	4.2	4.3	4.7	3.4	1.9	4.9	2.5	2.8	5.1	3.6	4.7	4.6	4.3	4.2	3.7	5.0	5.3	4.7	3.6	3.4	3.9	4.9	6.5	3.5	4.1	3.8	6.8	4.3	4.3	7.6	4.1	3.6	3.2	4.7	2.7	1.9	2.9
ZRANB1	9.5	8.8	8.6	7.9	13.9	9.7	8.6	9.9	10.2	9.0	8.9	8.2	10.1	12.1	8.3	10.6	10.0	9.3	9.0	10.9	9.6	10.2	10.0	9.8	9.8	8.7	14.3	10.1	7.1	7.7	7.9	10.2	13.4	11.5	14.1	12.6	11.7	10.7	15.2	14.1
ZRANB2	13.3	13.5	9.5	11.4	14.1	14.4	13.4	12.2	14.3	11.1	13.3	13.5	15.7	14.1	14.3	14.0	11.8	14.9	11.3	17.3	14.1	12.7	14.1	13.0	12.8	12.8	15.2	13.1	11.2	14.4	14.3	12.7	15.2	16.6	14.9	11.5	17.4	10.9	15.1	14.6
ZRSR2	3.0	4.6	2.6	3.5	3.6	2.9	3.7	3.9	4.3	3.2	4.6	3.9	5.3	5.1	7.3	4.9	7.5	4.3	4.7	4.5	3.3	2.9	5.1	4.0	4.8	4.3	5.5	3.6	4.2	4.6	4.3	4.4	8.2	4.2	4.8	3.9	4.0	3.0	5.8	4.1
ZSCAN18	10.3	12.7	11.1	9.2	10.5	14.9	9.3	9.0	15.7	13.8	18.1	21.7	15.4	13.5	20.0	13.5	12.9	15.4	13.7	18.6	14.9	14.1	16.4	16.2	12.1	13.5	15.0	14.5	11.2	16.4	14.8	13.9	12.7	16.6	15.8	12.6	11.3	12.7	16.0	11.5
ZSCAN21	1.6	1.7	1.3	2.5	1.3	1.8	1.9	1.6	2.1	1.9	2.0	2.1	1.9	3.1	2.7	2.5	2.5	2.4	2.2	2.3	2.1	2.2	2.1	2.0	2.0	1.6	2.4	2.8	2.0	2.2	2.3	2.2	2.2	2.1	2.4	1.8	2.0	2.0	3.4	2.6
ZSCAN30	3.3	2.7	1.9	2.1	3.1	2.7	2.5	2.8	3.7	2.9	3.5	2.9	2.5	2.9	2.2	2.6	2.4	2.4	3.1	4.1	2.5	2.6	3.1	2.7	2.6	2.3	2.5	2.7	1.8	1.7	2.7	2.5	2.4	3.1	2.7	2.7	3.2	2.0	2.8	2.8
ZSWIM6	1.8	1.5	1.4	1.4	1.3	1.2	1.3	1.6	1.8	1.7	1.7	1.1	1.4	1.3	1.4	1.9	2.1	1.9	1.8	2.0	1.7	1.3	1.8	1.4	1.5	1.7	1.7	1.6	0.7	0.7	1.6	1.7	3.3	2.7	2.8	3.3	2.4	1.7	2.1	1.9
ZSWIM7	2.4	2.6	1.6	5.1	3.8	4.6	3.4	1.8	1.9	1.7	1.9	2.4	3.1	2.2	2.6	1.9	2.1	3.4	1.4	2.4	2.8	2.8	1.5	1.6	1.5	2.6	1.9	3.1	2.5	1.9	3.1	1.8	2.5	3.8	1.7	2.4	3.0	2.9	1.5	2.7
ZW10	2.9	2.4	2.8	2.9	2.6	1.6	2.4	2.8	2.6	2.5	2.0	2.0	2.5	2.8	2.0	2.5	2.2	2.7	2.6	3.0	3.5	2.2	2.8	2.4	2.0	2.3	3.8	2.3	1.3	2.4	2.3	2.5	2.8	2.8	2.2	2.3	2.8	1.8	2.6	3.3
ZXDC	3.7	3.7	2.7	3.3	5.0	2.9	2.2	3.2	4.0	3.3	3.6	3.4	3.0	4.2	4.6	3.1	2.9	3.3	3.8	4.0	3.5	2.9	3.2	3.3	3.6	3.6	4.4	3.3	2.7	3.0	3.5	3.4	5.2	3.9	3.6	4.0	4.5	3.0	4.0	3.8
ZYG11B	5.6	5.9	7.3	6.2	4.8	4.1	6.2	6.4	6.8	5.0	5.6	4.5	4.5	6.0	3.4	4.7	4.8	5.7	5.4	6.6	4.5	5.7	6.6	4.8	4.2	4.2	5.5	6.2	2.8	3.9	5.0	5.7	3.7	5.1	5.8	7.2	6.6	6.2	6.2	8.0
ZYX	17.3	16.6	21.7	21.8	31.3	19.4	15.6	19.8	24.5	18.4	16.1	18.6	20.2	22.4	41.1	21.9	26.0	18.2	20.1	23.2	26.8	17.5	18.2	17.3	17.8	27.6	19.0	19.9	16.9	25.0	20.3	34.0	47.8	34.0	22.7	25.2	25.8	34.0	24.2	17.0
ZZEF1	4.7	4.8	4.4	4.6	6.1	4.5	4.0	5.1	5.5	4.6	4.8	4.3	4.4	5.9	4.2	5.3	4.4	4.6	4.5	5.4	4.8	4.8	5.1	5.3	3.1	4.2	5.3	4.7	3.3	3.0	3.3	4.8	5.7	5.8	3.5	5.0	5.6	4.3	4.9	5.7
ZZZ3	4.0	3.5	3.3	3.2	3.6	3.8	2.4	4.2	4.7	3.3	3.9	3.5	3.4	4.2	3.1	3.3	3.2	4.6	3.3	5.0	3.5	3.4	4.1	3.4	2.9	3.5	3.1	3.6	2.5	2.3	2.9	3.4	5.1	4.2	2.5	3.8	4.4	3.6	3.8	3.8

Table S7. Mean normalized read counts, fold change (compared to NF hearts mean value) and P values of miRNAs that are differentially expressed in ICM LV samples

miRNA	NF mean (PMMR+0.1)	Fold Change (vs NF)	ICM pre-LVAD mean (PMMR+0.1)	Fold Change (vs NF)	P value (NF vs ICM)	ICM post-LVAD mean (PMMR+0.1)	Fold Change (vs NF)	P value (ICM pre vs post LVAD)	Normalized by LVAD	Improved by LVAD
hsa-miR-365a-3p	136.7	1.0	95.2	-1.4	5.6E-03	129.4	-1.1	7.25E-04	V	V
hsa-miR-378a-3p	29061.7	1.0	19725.1	-1.5	6.1E-04	26429.4	-1.1	2.78E-02	V	V
hsa-miR-378e	9.1	1.0	5.8	-1.6	6.7E-03	7.6	-1.2	5.71E-03		V
hsa-miR-665	2.5	1.0	1.5	-1.7	4.4E-03	2.1	-1.1	4.61E-02		V
hsa-miR-302a-3p	12.5	1.0	6.9	-1.8	1.2E-02	10.7	-1.2	2.09E-02		V
hsa-miR-429	0.2	1.0	0.1	-2.3	2.5E-02	0.2	-1.2	1.01E-02		V
hsa-miR-378f	21.0	1.0	8.4	-2.5	1.3E-03	12.8	-1.6	2.95E-02		V
hsa-miR-144-5p	10.5	1.0	90.5	8.6	1.7E-03	61.8	5.9	4.69E-01		
hsa-miR-182-5p	22.3	1.0	189.4	8.5	5.9E-05	117.5	5.3	2.13E-01		
hsa-miR-183-5p	2.8	1.0	19.2	6.8	3.5E-03	11.7	4.1	4.37E-01		
hsa-miR-451a	219.2	1.0	1477.8	6.7	3.1E-03	1080.6	4.9	5.33E-01		
hsa-miR-144-3p	13.8	1.0	88.2	6.4	3.1E-03	59.6	4.3	3.78E-01		
hsa-miR-184	1.0	1.0	5.9	5.6	9.5E-03	3.7	3.6	4.18E-01		
hsa-miR-4800-3p	1.6	1.0	7.6	4.9	3.2E-02	4.2	2.7	1.84E-01		
hsa-miR-34c-5p	1.3	1.0	5.8	4.6	6.6E-05	4.9	3.9	8.87E-01		
hsa-miR-34c-3p	0.1	1.0	0.4	3.9	3.0E-03	0.4	4.2	1.85E-01		
hsa-miR-1246	1.5	1.0	5.0	3.4	2.9E-02	9.7	6.5	9.95E-01		
hsa-miR-3938	0.1	1.0	0.3	3.3	1.4E-02	0.4	3.8	5.87E-01		
hsa-miR-190b	1.2	1.0	3.8	3.3	6.3E-03	3.3	2.8	8.72E-01		
hsa-miR-5002-5p	0.2	1.0	0.5	3.2	1.6E-02	0.4	2.7	2.82E-01		
hsa-miR-1285-5p	0.1	1.0	0.4	3.0	2.5E-02	0.2	1.5	1.97E-01		
hsa-miR-155-5p	28.0	1.0	70.2	2.5	3.1E-05	59.9	2.1	7.28E-01		
hsa-miR-4792	16.2	1.0	40.4	2.5	3.9E-02	27.3	1.7	1.93E-01		
hsa-miR-301b	11.0	1.0	27.2	2.5	2.8E-03	17.5	1.6	1.24E-01		
hsa-miR-708-5p	5.7	1.0	13.6	2.4	1.9E-04	14.9	2.6	4.06E-01		
hsa-miR-542-3p	27.8	1.0	64.8	2.3	6.2E-03	50.9	1.8	2.67E-01		
hsa-miR-545-5p	0.3	1.0	0.7	2.3	1.7E-03	0.4	1.2	1.13E-01		
hsa-miR-34b-3p	0.1	1.0	0.3	2.2	2.6E-02	0.3	1.9	8.49E-01		
hsa-miR-125b-1-3p	45.0	1.0	99.9	2.2	2.0E-03	91.4	2.0	8.41E-01		
hsa-miR-3614-5p	0.5	1.0	1.0	2.2	5.0E-03	1.0	2.1	9.53E-01		
hsa-miR-548d-5p	0.8	1.0	1.8	2.2	4.1E-03	1.7	2.1	7.87E-01		
hsa-miR-141-3p	2.3	1.0	4.9	2.2	3.6E-03	4.6	2.0	8.05E-01		
hsa-miR-320b	1.1	1.0	2.4	2.2	7.9E-05	2.0	1.8	9.14E-01		
hsa-miR-548h-3p	0.6	1.0	1.2	2.1	4.3E-02	1.8	3.3	1.68E-01		
hsa-miR-5701	2.8	1.0	5.7	2.0	1.6E-02	7.6	2.7	1.55E-02		
hsa-miR-195-3p	15.8	1.0	31.4	2.0	1.2E-05	34.6	2.2	2.20E-01		
hsa-miR-130b-5p	7.1	1.0	13.7	1.9	1.2E-02	13.4	1.9	7.07E-01		
hsa-miR-493-3p	5.1	1.0	9.9	1.9	5.3E-04	10.0	1.9	4.41E-01		
hsa-miR-154-5p	1.1	1.0	2.1	1.9	9.6E-03	2.4	2.2	4.09E-01		
hsa-miR-21-5p	4320.7	1.0	8069.4	1.9	2.8E-03	7256.9	1.7	7.48E-01		
hsa-miR-5010-3p	0.6	1.0	1.0	1.8	4.4E-02	1.1	1.9	9.92E-01		
hsa-miR-377-5p	1.1	1.0	2.0	1.8	2.8E-02	1.9	1.6	9.10E-01		
hsa-miR-34b-5p	0.5	1.0	0.9	1.8	3.9E-02	0.8	1.6	8.03E-01		
hsa-miR-432-5p	7.1	1.0	12.7	1.8	2.0E-03	11.0	1.5	3.73E-01		
hsa-miR-106b-3p	16.6	1.0	29.1	1.8	2.2E-04	29.9	1.8	3.27E-01		
hsa-miR-339-5p	5.5	1.0	9.6	1.8	1.3E-03	9.7	1.8	4.21E-01		
hsa-miR-199a-3p	2488.3	1.0	4358.9	1.8	1.7E-03	4385.1	1.8	9.95E-01		
hsa-miR-382-3p	1.5	1.0	2.7	1.8	4.4E-02	2.5	1.6	4.96E-01		
hsa-miR-708-3p	7.0	1.0	12.2	1.7	4.9E-04	13.5	1.9	8.97E-02		
hsa-miR-301a-5p	0.6	1.0	1.1	1.7	1.5E-02	0.8	1.4	1.84E-01		
hsa-miR-130b-3p	27.8	1.0	47.7	1.7	8.8E-04	40.3	1.5	2.03E-01		
hsa-miR-330-5p	7.3	1.0	12.5	1.7	9.2E-05	10.4	1.4	3.60E-01		
hsa-miR-199b-5p	571.3	1.0	976.4	1.7	7.7E-03	931.3	1.6	8.55E-01		
hsa-miR-214-5p	24.3	1.0	41.4	1.7	1.7E-02	44.8	1.8	6.16E-01		
hsa-miR-4775	1.3	1.0	2.3	1.7	6.1E-03	1.9	1.4	1.25E-01		
hsa-miR-342-5p	1.6	1.0	2.7	1.7	4.8E-02	2.9	1.8	1.68E-01		
hsa-miR-195-5p	480.2	1.0	798.6	1.7	6.7E-03	934.7	1.9	8.86E-01		
hsa-miR-769-5p	129.6	1.0	215.2	1.7	3.3E-05	210.4	1.6	3.17E-01		
hsa-miR-454-5p	2.9	1.0	4.8	1.7	1.0E-02	4.7	1.6	9.43E-01		
hsa-miR-1277-5p	3.0	1.0	4.9	1.6	4.1E-02	4.8	1.6	3.46E-01		
hsa-miR-136-5p	27.7	1.0	44.3	1.6	3.0E-03	45.4	1.6	7.65E-01		
hsa-miR-153	11.5	1.0	18.2	1.6	4.8E-02	19.6	1.7	9.63E-01		
hsa-miR-106b-5p	28.0	1.0	44.3	1.6	3.4E-04	46.5	1.7	9.77E-01		
hsa-miR-625-5p	1.8	1.0	2.8	1.6	9.7E-03	3.3	1.8	2.58E-01		
hsa-miR-210	65.9	1.0	103.1	1.6	4.1E-03	93.0	1.4	3.62E-01		
hsa-miR-127-5p	4.2	1.0	6.5	1.6	3.2E-02	6.5	1.5	7.44E-01		
hsa-miR-370	1.8	1.0	2.8	1.5	2.7E-02	3.4	1.9	4.03E-01		
hsa-miR-497-5p	192.0	1.0	294.4	1.5	3.2E-03	319.4	1.7	7.26E-01		
hsa-miR-760	1.1	1.0	1.7	1.5	3.7E-02	1.7	1.5	4.57E-01		
hsa-miR-301a-3p	233.7	1.0	357.1	1.5	1.9E-02	297.6	1.3	3.72E-02		
hsa-miR-218-5p	52.6	1.0	79.7	1.5	2.8E-02	84.6	1.6	6.44E-01		
hsa-miR-487b	8.0	1.0	12.0	1.5	6.1E-03	10.3	1.3	3.12E-01		
hsa-miR-324-5p	9.5	1.0	14.2	1.5	3.1E-02	17.5	1.8	9.85E-01		
hsa-miR-27b-5p	91.4	1.0	135.7	1.5	1.0E-02	150.6	1.6	3.53E-02		
hsa-miR-181b-5p	509.2	1.0	746.7	1.5	8.3E-04	767.6	1.5	9.92E-01		
hsa-miR-1285-3p	9.0	1.0	13.0	1.4	4.3E-02	12.9	1.4	9.94E-01		
hsa-miR-320a	385.2	1.0	548.7	1.4	1.5E-03	520.9	1.4	8.59E-01		
hsa-miR-382-5p	2.9	1.0	4.2	1.4	2.1E-02	4.0	1.4	6.81E-01		
hsa-miR-744-5p	26.4	1.0	37.2	1.4	1.6E-02	46.1	1.7	1.41E-03		
hsa-miR-4301	99.9	1.0	140.4	1.4	6.0E-03	143.7	1.4	6.76E-01		
hsa-miR-425-5p	45.4	1.0	63.5	1.4	9.2E-03	58.6	1.3	2.12E-01		
hsa-miR-101-3p	3458.7	1.0	4814.0	1.4	2.9E-02	5666.7	1.6	4.60E-01		
hsa-miR-324-3p	4.1	1.0	5.6	1.4	1.3E-02	7.0	1.7	8.26E-02		
hsa-miR-181c-5p	806.9	1.0	1111.9	1.4	4.8E-06	1127.3	1.4	7.90E-01		
hsa-miR-2355-5p	8.0	1.0	11.0	1.4	2.8E-03	10.3	1.3	9.52E-01		
hsa-miR-27a-3p	2659.4	1.0	3645.5	1.4	7.5E-06	3368.6	1.3	3.76E-01		
hsa-miR-381	202.2	1.0	276.7	1.4	1.9E-02	293.4	1.5	1.61E-01		

hsa-miR-181a-2-3p	237.5	1.0	323.8	1.4	1.3E-02	390.9	1.6	6.83E-02		
hsa-miR-140-3p	909.7	1.0	1237.7	1.4	6.7E-03	1341.0	1.5	9.46E-01		
hsa-miR-887	36.0	1.0	48.8	1.4	3.1E-02	47.8	1.3	5.96E-01		
hsa-miR-423-3p	602.4	1.0	802.9	1.3	3.7E-02	885.5	1.5	2.71E-01		
hsa-miR-92b-3p	841.0	1.0	1120.0	1.3	2.1E-02	959.7	1.1	4.61E-01		
hsa-miR-181d	80.0	1.0	106.0	1.3	7.9E-04	103.7	1.3	6.78E-01		
hsa-miR-99a-3p	34.4	1.0	45.6	1.3	7.4E-03	56.7	1.6	2.09E-01		
hsa-let-7e-3p	11.4	1.0	15.0	1.3	1.7E-02	15.2	1.3	2.98E-01		
hsa-miR-328	59.5	1.0	78.2	1.3	3.9E-03	78.1	1.3	5.31E-01		
hsa-miR-16-5p	3300.0	1.0	4305.0	1.3	6.0E-03	4421.5	1.3	6.88E-01		
hsa-miR-421	108.5	1.0	141.4	1.3	4.4E-02	131.8	1.2	1.58E-01		
hsa-miR-136-3p	127.4	1.0	164.2	1.3	3.5E-02	179.5	1.4	3.57E-01		
hsa-miR-23a-3p	1178.5	1.0	1518.4	1.3	4.6E-03	1611.4	1.4	9.52E-01		
hsa-miR-24-2-5p	11.5	1.0	14.8	1.3	2.8E-02	12.7	1.1	1.11E-01		
hsa-miR-148b-5p	12.0	1.0	15.3	1.3	8.4E-03	17.5	1.5	6.17E-02		
hsa-let-7i-5p	2216.2	1.0	2793.8	1.3	2.2E-03	2751.1	1.2	9.20E-01		
hsa-let-7i-3p	14.9	1.0	18.6	1.2	4.5E-02	20.0	1.3	7.40E-01		
hsa-miR-130a-3p	449.5	1.0	554.1	1.2	3.8E-02	600.1	1.3	8.92E-01		
hsa-miR-103a-3p	1372.4	1.0	1660.7	1.2	2.5E-03	1662.3	1.2	5.71E-01		
hsa-miR-181a-5p	16819.9	1.0	20291.6	1.2	4.2E-02	22067.7	1.3	5.34E-01		
hsa-miR-92a-3p	9577.0	1.0	7613.8	-1.3	1.6E-04	8948.0	-1.1	9.55E-03		
hsa-miR-125a-3p	10.4	1.0	8.1	-1.3	9.5E-03	8.2	-1.3	2.93E-01		
hsa-miR-151a-5p	3973.9	1.0	3048.7	-1.3	1.1E-02	3195.4	-1.2	2.16E-01		
hsa-miR-133a	59310.6	1.0	45226.9	-1.3	2.6E-02	48558.7	-1.2	6.23E-01		
hsa-miR-361-5p	284.7	1.0	214.2	-1.3	3.0E-03	234.5	-1.2	7.39E-01		
hsa-miR-499a-5p	3145.3	1.0	2242.6	-1.4	4.1E-02	2548.8	-1.2	5.25E-01		
hsa-miR-491-3p	1.0	1.0	0.7	-1.4	3.9E-02	1.0	-1.0	6.13E-02		
hsa-miR-720	14.0	1.0	9.7	-1.4	3.4E-02	11.1	-1.3	8.05E-01		
hsa-miR-32-3p	5.7	1.0	3.9	-1.5	1.4E-02	3.6	-1.6	5.80E-01		
hsa-miR-188-5p	2.9	1.0	2.0	-1.5	3.2E-02	1.9	-1.5	3.73E-01		
hsa-miR-500a-3p	215.1	1.0	138.1	-1.6	1.1E-02	139.7	-1.5	5.90E-01		
hsa-miR-29c-5p	102.7	1.0	64.9	-1.6	1.1E-02	79.8	-1.3	4.03E-01		
hsa-miR-17-5p	121.4	1.0	72.5	-1.7	7.2E-04	81.4	-1.5	5.83E-01		
hsa-miR-302d-3p	16.1	1.0	9.6	-1.7	2.2E-02	14.4	-1.1	2.37E-01		
hsa-miR-193a-5p	234.4	1.0	138.3	-1.7	3.2E-03	165.3	-1.4	9.71E-02		
hsa-miR-338-5p	8.1	1.0	4.8	-1.7	3.1E-02	5.9	-1.4	2.76E-01		
hsa-miR-486-5p	49910.5	1.0	27917.8	-1.8	9.6E-03	33492.0	-1.5	2.93E-01		
hsa-miR-490-5p	14.2	1.0	7.9	-1.8	5.3E-03	11.3	-1.3	3.35E-01		
hsa-miR-99a-5p	3505.1	1.0	1937.5	-1.8	1.5E-02	2252.4	-1.6	2.85E-01		
hsa-miR-378i	4.2	1.0	2.3	-1.8	4.4E-03	3.1	-1.4	8.18E-01		
hsa-miR-584-5p	96.4	1.0	52.7	-1.8	1.2E-02	71.1	-1.4	2.01E-01		
hsa-miR-362-5p	52.4	1.0	28.5	-1.8	2.9E-04	28.6	-1.8	3.47E-01		
hsa-miR-150-5p	276.8	1.0	147.5	-1.9	1.4E-02	201.3	-1.4	1.34E-01		
hsa-miR-20a-5p	313.3	1.0	164.6	-1.9	1.1E-03	188.0	-1.7	5.17E-01		
hsa-miR-502-3p	68.2	1.0	35.8	-1.9	2.0E-02	39.9	-1.7	4.36E-01		
hsa-miR-125a-5p	19849.1	1.0	10178.6	-2.0	1.5E-02	10984.7	-1.8	5.11E-01		
hsa-miR-99b-5p	23661.6	1.0	11546.9	-2.0	3.5E-02	12298.2	-1.9	5.60E-01		
hsa-miR-1323	0.5	1.0	0.3	-2.1	2.7E-02	0.3	-1.6	1.66E-01		
hsa-miR-4786-5p	0.9	1.0	0.4	-2.1	2.1E-02	0.6	-1.5	2.51E-01		
hsa-miR-483-5p	14.6	1.0	6.8	-2.2	9.1E-04	7.9	-1.9	7.35E-01		
hsa-miR-2116-3p	0.3	1.0	0.1	-2.2	3.5E-02	0.2	-1.5	3.40E-01		
hsa-miR-1303	3.4	1.0	1.5	-2.3	1.7E-02	2.0	-1.8	2.63E-01		
hsa-miR-519c-3p	0.8	1.0	0.3	-2.3	2.8E-02	0.3	-2.5	9.44E-01		
hsa-miR-1301	28.7	1.0	12.2	-2.3	6.8E-03	13.8	-2.1	5.80E-01		
hsa-miR-9-3p	0.5	1.0	0.2	-2.4	3.1E-02	0.6	1.2	9.48E-02		
hsa-miR-138-5p	0.9	1.0	0.4	-2.4	2.6E-02	0.6	-1.4	2.70E-01		
hsa-miR-501-3p	250.9	1.0	101.6	-2.5	1.7E-02	106.3	-2.4	5.58E-01		
hsa-miR-221-3p	2148.9	1.0	840.6	-2.6	4.6E-05	967.8	-2.2	3.86E-01		
hsa-miR-675-5p	6.0	1.0	2.3	-2.6	1.7E-03	2.3	-2.6	8.76E-01		
hsa-miR-548l	0.3	1.0	0.1	-2.6	3.1E-02	0.1	-2.1	2.91E-01		
hsa-miR-222-3p	1074.1	1.0	409.8	-2.6	2.5E-04	515.1	-2.1	3.30E-01		
hsa-miR-548ao-3p	0.4	1.0	0.2	-2.7	8.4E-03	0.3	-1.2	1.18E-01		
hsa-miR-520c-3p	1.0	1.0	0.4	-2.8	8.4E-03	0.4	-2.7	7.84E-01		
hsa-miR-9-5p	59.8	1.0	21.2	-2.8	6.4E-06	41.6	-1.4	1.04E-01		
hsa-miR-1271-5p	362.6	1.0	126.9	-2.9	1.6E-02	142.2	-2.5	5.82E-01		
hsa-miR-106a-5p	4.0	1.0	1.4	-2.9	1.9E-02	1.9	-2.1	2.60E-01		
hsa-miR-1254	0.3	1.0	0.1	-3.0	1.9E-02	0.4	1.4	1.15E-02		
hsa-miR-409-5p	27.4	1.0	9.0	-3.0	1.3E-02	9.5	-2.9	5.90E-01		
hsa-miR-378b	136.5	1.0	43.8	-3.1	2.0E-02	57.2	-2.4	8.16E-01		
hsa-miR-3679-5p	0.5	1.0	0.2	-3.3	4.1E-02	0.1	-4.1	8.72E-01		
hsa-miR-4441	0.5	1.0	0.1	-3.5	3.1E-02	0.1	-3.7	5.83E-01		
hsa-miR-4797-3p	0.8	1.0	0.2	-5.1	3.5E-02	0.4	-2.2	4.53E-01		
hsa-miR-221-5p	153.6	1.0	26.6	-5.8	6.7E-04	36.1	-4.3	1.17E-01		

Table S8. Mean normalized read counts, fold change (compared to NF hearts mean value) and P values of miRNAs that are differentially expressed in NICM LV samples

miRNA	NF mean (PMMR+0.1)	Fold Change (vs NF)	NICM pre-LVAD mean (PMMR+0.1)	Fold Change (vs NF)	P value (NF vs NICM)	NICM post-LVAD mean (PMMR+0.1)	Fold Change (vs NF)	P value (NICM pre vs post LVAD)	Normalized by LVAD	Improved by LVAD
hsa-miR-183-5p	2.8	1.0	22.7	8.1	1.1E-02	10.0	3.6	4.25E-02		V
hsa-miR-548d-5p	0.8	1.0	2.0	2.5	3.3E-03	0.9	1.1	2.93E-02	V	V
hsa-miR-130b-5p	7.1	1.0	14.0	2.0	5.7E-03	9.0	1.3	2.12E-02		V
hsa-miR-760	1.1	1.0	2.1	1.9	2.2E-03	1.0	-1.1	1.41E-02	V	V
hsa-miR-363-3p	40.0	1.0	72.6	1.8	1.5E-02	51.3	1.3	4.23E-02		V
hsa-miR-301a-5p	0.6	1.0	1.1	1.7	4.1E-02	0.7	1.1	1.46E-02		V
hsa-miR-93-3p	3.2	1.0	4.8	1.5	1.1E-02	3.4	1.1	2.18E-02	V	V
hsa-miR-425-5p	45.4	1.0	67.4	1.5	8.8E-03	49.5	1.1	4.03E-02	V	V
hsa-miR-193b-5p	6.7	1.0	4.5	-1.5	2.2E-02	6.1	-1.1	3.75E-02	V	V
hsa-miR-23b-5p	1.3	1.0	0.6	-2.1	2.1E-03	0.9	-1.4	4.31E-02		V
hsa-miR-4484	2.4	1.0	0.9	-2.8	4.3E-02	1.8	-1.3	7.59E-03		V
hsa-miR-144-5p	10.5	1.0	131.3	12.5	2.5E-02	43.5	4.1	6.65E-02		
hsa-miR-451a	219.2	1.0	1982.0	9.0	2.4E-02	947.1	4.3	7.19E-02		
hsa-miR-144-3p	13.8	1.0	121.8	8.8	3.9E-02	44.8	3.3	9.31E-02		
hsa-miR-5683	0.7	1.0	3.0	4.3	1.3E-02	13.1	18.5	3.25E-01		
hsa-miR-184	1.0	1.0	4.3	4.1	1.5E-02	2.9	2.7	3.60E-01		
hsa-miR-196b-5p	0.2	1.0	0.7	4.0	7.5E-03	1.0	6.4	2.13E-01		
hsa-miR-129-5p	0.2	1.0	0.7	4.0	1.7E-02	0.7	4.0	3.80E-01		
hsa-miR-216b	0.1	1.0	0.4	3.6	9.8E-03	0.3	2.1	1.14E-01		
hsa-miR-34c-5p	1.3	1.0	4.2	3.3	4.4E-03	7.4	5.9	2.90E-01		
hsa-miR-34c-3p	0.1	1.0	0.3	3.2	4.5E-02	0.3	3.0	2.95E-01		
hsa-miR-3688-3p	0.3	1.0	0.7	2.8	1.3E-02	0.5	2.2	1.59E-01		
hsa-miR-548h-3p	0.6	1.0	1.5	2.7	7.3E-03	0.9	1.5	3.31E-01		
hsa-miR-3938	0.1	1.0	0.3	2.7	4.4E-02	0.2	1.8	8.42E-02		
hsa-miR-4792	16.2	1.0	43.3	2.7	7.0E-03	46.2	2.8	1.93E-01		
hsa-miR-2114-5p	0.2	1.0	0.4	2.6	3.9E-03	0.1	-1.1	4.86E-03		
hsa-miR-3914	0.1	1.0	0.3	2.5	4.1E-02	0.3	2.2	8.83E-01		
hsa-miR-190b	1.2	1.0	2.8	2.4	2.2E-02	3.2	2.8	4.40E-01		
hsa-miR-3162-3p	5.9	1.0	14.2	2.4	9.0E-03	13.4	2.3	5.85E-01		
hsa-miR-4661-5p	0.3	1.0	0.7	2.4	2.2E-02	0.6	1.9	4.26E-01		
hsa-miR-301b	11.0	1.0	26.2	2.4	5.6E-05	18.3	1.7	1.26E-01		
hsa-miR-141-3p	2.3	1.0	5.3	2.3	1.3E-02	8.0	3.5	2.43E-01		
hsa-miR-548i	0.3	1.0	0.6	2.3	1.2E-02	0.5	1.8	5.93E-01		
hsa-miR-548ah-5p	0.1	1.0	0.2	2.3	2.4E-02	0.2	1.6	7.17E-01		
hsa-miR-3622a-3p	0.1	1.0	0.2	2.3	2.1E-02	0.3	2.5	6.83E-01		
hsa-miR-942	0.3	1.0	0.6	2.2	4.9E-02	0.7	2.4	6.13E-01		
hsa-miR-3157-5p	2.3	1.0	5.0	2.2	4.8E-02	4.8	2.1	1.58E-01		
hsa-miR-542-3p	27.8	1.0	60.3	2.2	1.3E-02	34.1	1.2	5.40E-02		
hsa-miR-708-5p	5.7	1.0	11.9	2.1	4.9E-04	14.2	2.5	3.00E-01		
hsa-miR-125b-1-3p	45.0	1.0	93.6	2.1	1.9E-04	90.7	2.0	4.49E-01		
hsa-miR-16-2-3p	0.9	1.0	1.7	2.0	4.4E-02	1.4	1.6	2.62E-01		
hsa-miR-493-3p	5.1	1.0	10.4	2.0	5.4E-03	10.6	2.1	4.40E-01		
hsa-miR-155-5p	28.0	1.0	56.0	2.0	2.7E-02	61.7	2.2	1.75E-01		
hsa-miR-4697-3p	0.7	1.0	1.4	2.0	4.8E-02	1.0	1.4	2.63E-01		
hsa-miR-5701	2.8	1.0	5.7	2.0	3.4E-02	5.7	2.0	4.12E-01		
hsa-miR-935	0.4	1.0	0.9	2.0	3.2E-02	0.8	1.8	4.91E-01		
hsa-miR-320b	1.1	1.0	2.2	1.9	5.3E-03	1.9	1.7	8.15E-01		
hsa-miR-130b-3p	27.8	1.0	53.3	1.9	3.0E-05	43.3	1.6	6.22E-03		
hsa-miR-1261	0.3	1.0	0.7	1.9	2.8E-02	0.4	1.2	4.19E-01		
hsa-miR-195-3p	15.8	1.0	29.8	1.9	2.5E-05	30.1	1.9	9.44E-01		
hsa-miR-605	0.2	1.0	0.3	1.8	3.2E-02	0.3	1.8	5.60E-01		
hsa-miR-339-5p	5.5	1.0	9.8	1.8	3.4E-02	8.7	1.6	2.40E-01		
hsa-miR-548n	0.6	1.0	1.1	1.8	4.9E-02	0.7	1.2	3.80E-01		
hsa-miR-15b-3p	3.9	1.0	6.8	1.7	3.4E-02	4.6	1.2	5.40E-02		
hsa-miR-4775	1.3	1.0	2.3	1.7	2.1E-03	1.8	1.4	5.21E-02		
hsa-miR-21-5p	4320.7	1.0	7463.4	1.7	2.2E-02	8880.6	2.1	2.01E-01		
hsa-miR-106b-3p	16.6	1.0	28.4	1.7	1.2E-02	24.3	1.5	1.22E-01		
hsa-miR-708-3p	7.0	1.0	11.9	1.7	3.5E-02	13.2	1.9	5.17E-01		
hsa-miR-20b-5p	5.2	1.0	8.7	1.7	2.2E-02	6.0	1.1	5.60E-02		
hsa-miR-106b-5p	28.0	1.0	46.0	1.6	5.8E-03	42.1	1.5	1.55E-01		
hsa-miR-214-5p	24.3	1.0	39.8	1.6	1.4E-02	45.7	1.9	8.72E-01		
hsa-miR-330-5p	7.3	1.0	11.9	1.6	2.0E-04	10.2	1.4	2.81E-03		
hsa-miR-199b-5p	571.3	1.0	935.1	1.6	2.0E-02	1038.3	1.8	2.75E-01		
hsa-miR-195-5p	480.2	1.0	760.8	1.6	1.2E-03	847.3	1.8	5.51E-01		
hsa-miR-199a-3p	2488.3	1.0	3930.0	1.6	7.9E-03	4486.1	1.8	6.70E-01		
hsa-miR-550a-3p	3.0	1.0	4.7	1.6	4.9E-02	3.8	1.3	5.42E-01		
hsa-miR-769-5p	129.6	1.0	203.2	1.6	4.5E-04	175.5	1.4	3.03E-02		
hsa-miR-301a-3p	233.7	1.0	359.1	1.5	1.0E-02	283.4	1.2	1.58E-01		
hsa-miR-342-5p	1.6	1.0	2.5	1.5	3.2E-02	2.4	1.5	2.26E-01		
hsa-miR-210	65.9	1.0	99.9	1.5	3.2E-03	70.2	1.1	1.39E-01		
hsa-miR-497-5p	192.0	1.0	287.3	1.5	1.8E-02	278.3	1.4	6.23E-01		
hsa-miR-454-5p	2.9	1.0	4.4	1.5	1.3E-02	3.3	1.1	2.94E-02		
hsa-miR-92b-3p	841.0	1.0	1237.3	1.5	4.3E-03	972.4	1.2	9.53E-02		
hsa-miR-887	36.0	1.0	52.6	1.5	7.7E-04	44.3	1.2	3.21E-01		
hsa-miR-181a-2-3p	237.5	1.0	343.4	1.4	3.6E-03	317.6	1.3	7.29E-01		
hsa-miR-3158-3p	4.0	1.0	5.7	1.4	2.7E-02	5.3	1.3	6.95E-01		
hsa-miR-3116	2.8	1.0	4.0	1.4	3.3E-02	3.9	1.4	4.39E-01		
hsa-miR-625-5p	1.8	1.0	2.6	1.4	2.0E-02	3.0	1.6	4.85E-01		
hsa-let-7g-3p	4.8	1.0	6.8	1.4	2.5E-03	8.1	1.7	7.84E-01		
hsa-miR-181b-5p	509.2	1.0	711.8	1.4	2.5E-03	625.5	1.2	7.31E-02		
hsa-miR-421	108.5	1.0	150.6	1.4	2.0E-02	114.5	1.1	1.33E-01		
hsa-miR-582-5p	1.6	1.0	2.2	1.4	2.6E-02	3.1	1.9	3.86E-01		
hsa-miR-324-3p	4.1	1.0	5.5	1.4	3.3E-02	5.4	1.3	1.98E-01		
hsa-miR-27b-5p	91.4	1.0	124.2	1.4	2.8E-02	123.2	1.3	6.67E-01		

hsa-miR-16-5p	3300.0	1.0	4479.3	1.4	1.2E-02	4336.6	1.3	4.80E-01		
hsa-miR-4677-3p	6.1	1.0	8.2	1.4	2.6E-02	7.9	1.3	2.11E-01		
hsa-miR-181c-5p	806.9	1.0	1075.3	1.3	3.5E-03	1064.9	1.3	8.55E-01		
hsa-miR-130a-3p	449.5	1.0	598.9	1.3	6.9E-03	584.3	1.3	2.30E-01		
hsa-miR-4301	99.9	1.0	132.7	1.3	3.0E-02	124.7	1.2	4.21E-01		
hsa-miR-32-5p	21.6	1.0	28.6	1.3	4.4E-02	25.5	1.2	1.50E-01		
hsa-miR-320a	385.2	1.0	510.1	1.3	4.0E-03	471.2	1.2	2.27E-01		
hsa-let-7e-3p	11.4	1.0	15.1	1.3	1.9E-03	16.0	1.4	2.74E-01		
hsa-miR-2355-5p	8.0	1.0	10.6	1.3	2.5E-02	9.8	1.2	9.94E-01		
hsa-miR-423-3p	602.4	1.0	795.5	1.3	3.1E-02	745.9	1.2	6.92E-01		
hsa-miR-107	175.6	1.0	230.8	1.3	1.9E-03	179.8	1.0	2.07E-01		
hsa-miR-24-2-5p	11.5	1.0	15.1	1.3	4.2E-02	13.0	1.1	1.68E-01		
hsa-miR-27a-3p	2659.4	1.0	3473.8	1.3	3.2E-04	3052.6	1.1	1.45E-01		
hsa-miR-101-3p	3458.7	1.0	4483.0	1.3	1.2E-02	5179.2	1.5	6.05E-01		
hsa-miR-328	59.5	1.0	76.7	1.3	7.2E-04	71.9	1.2	7.32E-01		
hsa-miR-181d	80.0	1.0	102.8	1.3	1.9E-02	98.6	1.2	5.27E-01		
hsa-miR-140-3p	909.7	1.0	1167.9	1.3	3.5E-02	1098.2	1.2	2.87E-01		
hsa-miR-103a-3p	1372.4	1.0	1729.5	1.3	7.3E-04	1446.2	1.1	1.45E-02		
hsa-miR-744-5p	26.4	1.0	33.0	1.3	4.3E-02	37.3	1.4	4.06E-01		
hsa-miR-181a-5p	16819.9	1.0	21002.3	1.2	2.2E-02	19874.6	1.2	1.85E-01		
hsa-miR-423-5p	200.7	1.0	247.9	1.2	1.5E-02	239.8	1.2	6.08E-01		
hsa-miR-23a-3p	1178.5	1.0	1447.1	1.2	1.5E-02	1359.7	1.2	1.68E-01		
hsa-miR-28-5p	460.0	1.0	560.3	1.2	1.3E-02	546.6	1.2	5.41E-01		
hsa-miR-3909	13.4	1.0	16.1	1.2	4.2E-02	13.0	-1.0	2.41E-01		
hsa-miR-628-5p	27.2	1.0	32.7	1.2	8.7E-03	30.2	1.1	1.60E-01		
hsa-miR-32-3p	5.7	1.0	4.5	-1.3	8.4E-03	4.1	-1.4	9.92E-01		
hsa-miR-720	14.0	1.0	10.8	-1.3	4.2E-02	10.0	-1.4	4.17E-01		
hsa-miR-378a-3p	29061.7	1.0	22258.8	-1.3	8.5E-03	23670.7	-1.2	2.56E-01		
hsa-miR-30b-5p	11356.5	1.0	8603.2	-1.3	2.2E-02	6614.4	-1.7	5.69E-01		
hsa-miR-365a-3p	136.7	1.0	103.4	-1.3	2.4E-02	117.8	-1.2	5.90E-01		
hsa-miR-499a-5p	3145.3	1.0	2343.7	-1.3	1.8E-02	2178.7	-1.4	4.46E-01		
hsa-miR-133a	59310.6	1.0	42608.3	-1.4	4.9E-04	43569.1	-1.4	2.66E-01		
hsa-miR-17-5p	121.4	1.0	86.8	-1.4	5.2E-03	83.1	-1.5	9.50E-01		
hsa-miR-491-5p	3.3	1.0	2.3	-1.4	7.7E-03	2.6	-1.3	1.83E-01		
hsa-miR-378a-5p	138.1	1.0	96.6	-1.4	3.1E-03	110.6	-1.2	6.52E-01		
hsa-miR-29c-5p	102.7	1.0	67.4	-1.5	9.6E-03	68.3	-1.5	3.88E-01		
hsa-miR-20a-5p	313.3	1.0	203.8	-1.5	7.2E-03	210.6	-1.5	3.64E-01		
hsa-miR-1	9281.2	1.0	6033.1	-1.5	4.9E-02	7590.3	-1.2	5.08E-02		
hsa-miR-486-5p	49910.5	1.0	31407.2	-1.6	2.5E-02	33878.5	-1.5	2.05E-01		
hsa-miR-150-5p	276.8	1.0	173.5	-1.6	4.2E-02	243.0	-1.1	5.96E-01		
hsa-miR-99a-5p	3505.1	1.0	2195.9	-1.6	3.3E-02	2285.2	-1.5	6.19E-01		
hsa-miR-362-5p	52.4	1.0	32.7	-1.6	9.4E-04	29.0	-1.8	8.70E-01		
hsa-miR-378f	21.0	1.0	13.0	-1.6	3.6E-02	13.1	-1.6	7.24E-01		
hsa-miR-1301	28.7	1.0	17.3	-1.7	4.6E-02	14.2	-2.0	8.57E-01		
hsa-miR-490-5p	14.2	1.0	8.3	-1.7	6.3E-03	9.9	-1.4	2.00E-01		
hsa-miR-338-5p	8.1	1.0	4.7	-1.7	4.9E-02	6.1	-1.3	1.75E-01		
hsa-miR-1257	1.5	1.0	0.9	-1.7	3.0E-02	1.3	-1.2	9.73E-01		
hsa-miR-483-5p	14.6	1.0	8.3	-1.8	2.0E-03	10.1	-1.4	9.73E-02		
hsa-miR-1303	3.4	1.0	1.9	-1.8	4.5E-02	2.8	-1.2	1.10E-01		
hsa-miR-1273c	0.2	1.0	0.1	-1.8	2.7E-02	0.1	-1.5	2.91E-01		
hsa-miR-221-3p	2148.9	1.0	1149.6	-1.9	7.7E-04	909.4	-2.4	4.52E-01		
hsa-miR-4451	0.2	1.0	0.1	-1.9	2.1E-02	0.1	-1.4	4.12E-01		
hsa-miR-9-5p	59.8	1.0	31.1	-1.9	1.7E-04	41.2	-1.5	1.11E-01		
hsa-miR-222-3p	1074.1	1.0	552.7	-1.9	1.4E-03	483.8	-2.2	8.05E-01		
hsa-miR-3919	0.2	1.0	0.1	-2.0	2.9E-02	0.1	-2.0	N/A		
hsa-miR-4786-5p	0.9	1.0	0.4	-2.2	2.0E-02	0.7	-1.2	9.96E-02		
hsa-miR-1247-3p	0.3	1.0	0.1	-2.2	4.0E-02	0.7	2.5	5.08E-01		
hsa-miR-2964a-5p	0.2	1.0	0.1	-2.3	2.5E-02	0.2	-1.5	1.51E-01		
hsa-miR-675-5p	6.0	1.0	2.6	-2.3	1.6E-03	3.1	-1.9	1.26E-01		
hsa-miR-222-5p	0.8	1.0	0.3	-2.3	2.5E-02	0.3	-2.4	5.55E-01		
hsa-miR-548v	0.4	1.0	0.1	-2.7	8.2E-03	0.3	-1.3	7.28E-02		
hsa-miR-221-5p	153.6	1.0	50.0	-3.1	4.0E-03	43.2	-3.6	6.57E-01		
hsa-miR-3679-5p	0.5	1.0	0.2	-3.1	4.5E-02	0.2	-2.8	4.18E-01		

Supplemental Table S9. Number of miRNA, mRNA and lncRNA that are differentially expressed in ICM/NICM, and the percentage of each RNA species improved, normalized or overcorrected by LVAD support

	miRNA		mRNA		lncRNA		P value*	
	ICM	NICM	ICM	NICM	ICM	NICM	ICM	NICM
Total number differentially expressed	160	147	2262	1929	679	570		
Improved with LVAD support	7 (4.4%)	11 (7.5%)	115 (5.1%)	83 (4.3%)	55 (8.1%)	56 (9.8%)	0.0092	<0.0001
Normalized with LVAD support	2 (1.3%)	5 (3.4%)	68 (3.0%)	45 (2.3%)	26 (3.8%)	30 (5.3%)	0.2128	0.0015
Overcorrected with LVAD support	1 (0.6%)	1 (0.7%)	27 (1.2%)	27 (1.4%)	8 (1.2%)	19 (3.3%)		

*Chi-square test

Supplemental Table S10. miRNAs abnormally expressed with heart failure but normalized* with LVAD support

miRNA	NF (PMMR+0.1)	ICM pre-LVAD		ICM post-LVAD	
		Fold Change	*P* Value	Fold Change	*P* Value†
hsa-miR-365a-3p	136.7	-1.4	5.6E-03	-1.1	7.25E-04
hsa-miR-378a-3p	29061.7	-1.5	6.1E-04	-1.1	2.78E-02
miRNA	NF (PMMR+0.1)	NICM pre-LVAD		NICM post-LVAD	
		Fold Change	*P* Value	Fold Change	*P* Value†
hsa-miR-548d-5p	0.8	2.5	3.3E-03	1.1	2.93E-02
hsa-miR-760	1.1	1.9	2.2E-03	-1.1	1.41E-02
hsa-miR-425-5p	45.4	1.5	8.8E-03	1.1	4.03E-02
hsa-miR-93-3p	3.2	1.5	1.1E-02	1.1	2.18E-02
hsa-miR-193b-5p	6.7	-1.5	2.2E-02	-1.1	3.75E-02

*Abnormal expression: > 1.2 fold change comparing to NF mean; normalization: normalized expression level to < 1.1 fold different from NF mean.

†Paired sample Wilcoxon signed rank test between ICM/NICM samples before and after LVAD support.

Table S11. Mean normalized read counts, fold change (compared to NF hearts mean value) and P values of mRNAs that are differentially expressed in ICM LV samples

Gene Symbol	NF mean (RPKM+0.1)	Fold Change (vs NF)	ICM pre-LVAD mean (RPKM+0.1)	Fold Change (vs NF)	P value (NF vs ICM)	ICM post-LVAD mean (RPKM+0.1)	Fold Change (vs NF)	P value (ICM pre vs post LVAD)	Normalized by LVAD	Improved by LVAD
NPPB	17.2	1.0	619.5	36.1	3.75E-02	175.6	10.2	1.89E-01		
HBA1	2.0	1.0	61.6	30.2	4.75E-04	54.5	26.7	7.59E-01		
HBB	3.5	1.0	101.4	29.3	5.42E-05	105.3	30.4	9.26E-01		
HBA2	2.6	1.0	59.6	23.0	7.03E-04	57.3	22.1	9.38E-01		
SFRP4	0.5	1.0	10.5	22.8	3.47E-02	7.8	17.1	6.40E-01		
PENK	0.3	1.0	7.2	22.5	2.09E-02	5.8	18.1	6.32E-01		
NPPA	99.5	1.0	1436.0	14.4	4.87E-02	363.7	3.7	1.70E-01		
FMOD	3.4	1.0	40.7	11.9	1.55E-02	24.3	7.1	3.52E-01		
UCHL1	2.1	1.0	17.2	8.2	3.08E-03	13.5	6.5	4.78E-01		
THRSP	0.1	1.0	1.0	7.3	3.20E-03	0.3	1.9	1.52E-02		∨
CIDEC	0.4	1.0	3.2	7.2	5.14E-03	0.9	2.0	2.53E-02		∨
ITGBL1	1.0	1.0	7.4	7.2	1.92E-02	3.7	3.5	2.08E-01		
THY1	0.6	1.0	4.5	7.1	6.11E-03	3.4	5.4	4.90E-01		
MXRA5	0.7	1.0	4.8	7.0	4.14E-04	6.5	9.5	4.93E-01		
PRG4	0.4	1.0	2.7	6.9	3.59E-02	1.2	3.0	2.21E-01		
WNT9A	0.8	1.0	5.1	6.6	1.90E-05	4.7	6.1	7.02E-01		
ADIPOQ	0.2	1.0	1.4	6.4	1.76E-03	0.3	1.2	4.94E-03		∨
CTGF	9.1	1.0	56.5	6.2	8.81E-03	76.4	8.4	5.59E-01		
RGS4	0.4	1.0	2.2	6.2	2.52E-04	0.8	2.2	3.76E-03		∨
LUM	24.8	1.0	153.6	6.2	5.19E-03	144.3	5.8	8.75E-01		
FAP	0.5	1.0	3.2	6.1	1.20E-03	2.7	5.1	6.12E-01		
TMEM119	0.2	1.0	1.3	5.8	2.07E-02	0.8	3.6	3.15E-01		
SERPINE2	4.4	1.0	24.8	5.7	1.56E-03	20.1	4.6	5.98E-01		
COL14A1	1.9	1.0	10.8	5.6	1.74E-02	8.8	4.5	6.64E-01		
CCDC80	8.9	1.0	48.8	5.5	1.62E-02	46.2	5.2	9.01E-01		
LTBP2	6.1	1.0	32.7	5.3	2.53E-03	20.3	3.3	2.28E-01		
HAPLN1	0.2	1.0	1.3	5.2	1.34E-03	1.0	4.2	6.58E-01		
ASPN	4.9	1.0	25.5	5.2	5.33E-04	25.5	5.2	9.95E-01		
PLIN1	0.4	1.0	2.0	5.2	6.47E-03	0.5	1.3	3.20E-02		∨
RBP4	0.5	1.0	2.4	5.1	3.89E-03	0.5	-1.0	1.15E-02	∨	∨
GAP43	0.2	1.0	1.2	4.9	3.06E-02	1.0	4.4	8.45E-01		
POSTN	7.7	1.0	36.8	4.8	3.33E-03	37.1	4.8	9.88E-01		
FRZB	1.3	1.0	6.4	4.8	3.22E-02	5.8	4.4	8.53E-01		
EGR2	0.5	1.0	2.2	4.7	2.43E-03	4.5	9.6	2.97E-01		
CA3	2.0	1.0	9.2	4.6	1.71E-02	4.7	2.3	8.20E-02		
OGDHL	0.5	1.0	2.4	4.5	1.81E-02	2.1	3.9	5.61E-01		
PRELP	11.7	1.0	51.6	4.4	2.11E-02	23.3	2.0	1.53E-01		
SCUBE2	0.4	1.0	1.7	4.3	2.61E-02	1.7	4.3	9.52E-01		
COL1A1	9.4	1.0	40.5	4.3	1.83E-02	30.0	3.2	5.39E-01		
PLVAP	5.0	1.0	21.2	4.3	3.38E-02	12.6	2.5	2.96E-01		
SSC5D	0.7	1.0	3.0	4.1	1.76E-02	2.5	3.4	6.43E-01		
CIDEA	0.3	1.0	1.1	4.0	8.63E-04	0.6	2.1	9.28E-02		
C21orf7	0.6	1.0	2.5	4.0	2.28E-02	3.1	5.1	6.23E-01		
CTHRC1	0.5	1.0	2.2	4.0	2.91E-02	1.7	3.1	5.56E-01		
EGR3	0.4	1.0	1.7	3.9	1.07E-03	1.9	4.3	7.89E-01		
C16orf89	1.0	1.0	3.8	3.8	2.06E-02	2.8	2.8	4.40E-01		
COL1A2	20.3	1.0	77.4	3.8	1.51E-02	56.7	2.8	4.80E-01		
BGN	24.8	1.0	93.7	3.8	3.72E-02	77.8	3.1	7.05E-01		
PCK1	0.1	1.0	0.5	3.8	2.69E-02	0.2	1.3	4.17E-02		∨
TUSC5	0.3	1.0	0.9	3.6	8.96E-03	0.3	1.1	2.11E-02	∨	∨
MDK	1.7	1.0	6.1	3.6	8.11E-03	6.6	3.9	7.70E-01		
CFH	10.8	1.0	38.6	3.6	4.34E-02	19.6	1.8	2.37E-01		
PI16	5.4	1.0	19.2	3.6	1.19E-02	17.8	3.3	8.46E-01		
DPT	15.0	1.0	53.4	3.6	3.74E-03	51.7	3.4	9.08E-01		
ISLR	4.3	1.0	15.1	3.5	3.59E-02	9.3	2.2	3.09E-01		
COL3A1	21.4	1.0	75.2	3.5	1.48E-02	57.5	2.7	5.04E-01		
THBS4	27.1	1.0	93.3	3.4	2.91E-02	115.2	4.2	5.41E-01		
PDE8B	0.6	1.0	2.2	3.4	1.92E-02	1.1	1.7	8.17E-02		
CTSK	3.3	1.0	11.3	3.4	3.60E-02	7.4	2.2	3.86E-01		
OMD	2.9	1.0	9.9	3.4	1.75E-02	6.3	2.2	3.09E-01		
SLC30A2	1.1	1.0	3.7	3.4	1.29E-02	1.9	1.8	5.01E-02		
TNFRSF11B	1.6	1.0	5.6	3.4	3.35E-03	4.9	3.0	7.99E-01		
CP	0.6	1.0	1.9	3.3	6.63E-03	1.1	1.9	7.92E-02		
HAPLN3	0.7	1.0	2.3	3.3	1.61E-03	1.6	2.3	1.32E-01		
NT5E	0.9	1.0	2.9	3.2	1.29E-02	1.7	1.9	1.50E-01		
STAT4	1.0	1.0	3.2	3.2	1.35E-02	3.8	3.9	6.73E-01		
CERCAM	2.5	1.0	7.9	3.2	2.83E-02	5.7	2.3	4.53E-01		
MGP	75.6	1.0	243.7	3.2	1.86E-02	202.4	2.7	6.20E-01		
LOC100129480	0.3	1.0	1.0	3.2	5.18E-04	2.1	6.9	1.02E-01		
TF	0.3	1.0	1.1	3.1	3.05E-02	0.6	1.8	1.96E-01		
IRX6	3.1	1.0	9.7	3.1	1.10E-03	6.5	2.1	3.81E-02		∨
OLFML2B	0.7	1.0	2.2	3.1	3.55E-02	1.2	1.7	2.12E-01		
APLP1	2.1	1.0	6.6	3.1	1.14E-05	4.2	2.0	7.63E-04		∨
INHBB	0.8	1.0	2.6	3.1	2.56E-02	2.3	2.7	6.97E-01		
SMOC2	8.4	1.0	26.1	3.1	8.66E-03	26.2	3.1	9.91E-01		
COL16A1	2.8	1.0	8.6	3.1	1.13E-02	6.9	2.5	4.80E-01		
LOXL1	4.4	1.0	13.7	3.1	6.13E-03	10.2	2.3	4.32E-01		
MXRA8	6.5	1.0	19.7	3.0	2.69E-02	14.0	2.1	4.02E-01		
SYTL2	1.3	1.0	3.8	3.0	1.51E-02	2.9	2.3	4.41E-01		

BOC	1.3	1.0	3.9	3.0	8.71E-03	3.3	2.6	5.93E-01		
IER3	9.5	1.0	28.5	3.0	1.42E-04	16.9	1.8	1.91E-02		v
CILP	3.5	1.0	10.5	3.0	1.97E-03	14.5	4.2	3.91E-01		
SNAI1	0.6	1.0	1.9	2.9	1.58E-02	2.0	3.1	8.75E-01		
C14orf132	0.4	1.0	1.3	2.9	7.88E-04	1.1	2.5	6.02E-01		
FMO3	0.8	1.0	2.4	2.9	1.59E-02	2.0	2.4	4.98E-01		
COLQ	2.7	1.0	7.8	2.9	2.81E-02	6.4	2.4	6.49E-01		
ZMYND17	1.4	1.0	3.9	2.9	6.41E-03	2.3	1.7	2.95E-02		v
PCOLCE2	16.5	1.0	47.3	2.9	1.02E-02	28.5	1.7	1.58E-01		
SULF1	2.6	1.0	7.4	2.9	4.24E-02	4.8	1.9	3.93E-01		
THBS2	2.6	1.0	7.6	2.9	6.15E-03	6.2	2.3	6.38E-01		
CYR61	11.9	1.0	34.1	2.9	3.78E-02	63.4	5.3	2.46E-01		
CEBPA	0.4	1.0	1.0	2.8	1.17E-02	0.3	-1.1	1.96E-02		
SDSL	1.4	1.0	4.0	2.8	6.40E-05	3.3	2.3	2.35E-01		
HIST1H2AK	0.7	1.0	1.9	2.8	9.48E-03	1.4	2.0	7.68E-02		
CD200	0.6	1.0	1.6	2.8	2.09E-02	1.2	2.0	2.22E-01		
PHLDA1	1.8	1.0	4.9	2.8	2.04E-02	6.4	3.6	4.15E-01		
FOXS1	1.1	1.0	2.9	2.8	8.36E-03	1.2	1.1	5.31E-02		
ADAMTSL2	1.4	1.0	3.9	2.8	3.46E-02	2.9	2.0	3.37E-01		
F2R	3.6	1.0	9.8	2.7	9.95E-04	8.3	2.3	5.88E-01		
CYP1B1	3.8	1.0	10.5	2.7	8.07E-04	10.4	2.7	9.69E-01		
DACT1	0.7	1.0	1.8	2.7	4.17E-02	1.1	1.6	2.96E-01		
ECM2	2.9	1.0	7.9	2.7	8.20E-03	6.7	2.3	6.17E-01		
PRSS23	2.2	1.0	6.0	2.7	2.94E-02	4.4	2.0	3.73E-01		
ENO2	3.6	1.0	9.5	2.7	2.14E-03	5.9	1.7	6.97E-02		
NAP1L3	1.1	1.0	3.0	2.6	2.28E-04	2.1	1.8	1.78E-02		v
MLLT11	8.7	1.0	22.8	2.6	5.88E-03	20.2	2.3	6.16E-01		
KCNS3	1.0	1.0	2.6	2.6	5.65E-03	1.5	1.5	6.48E-02		
BOK	1.1	1.0	2.9	2.5	3.45E-02	1.7	1.5	1.01E-01		
DPYSL3	7.2	1.0	18.1	2.5	4.79E-02	12.2	1.7	3.88E-01		
HAAO	1.0	1.0	2.5	2.5	4.73E-02	2.4	2.4	8.51E-01		
BMP4	1.8	1.0	4.6	2.5	6.10E-03	5.6	3.1	4.46E-01		
RASA4	2.4	1.0	5.9	2.5	8.17E-04	3.7	1.5	1.20E-02		v
SLC6A6	6.1	1.0	15.2	2.5	3.10E-02	9.2	1.5	2.01E-01		
FN1	34.4	1.0	84.9	2.5	1.51E-02	59.2	1.7	3.48E-01		
SLC7A5	0.6	1.0	1.4	2.5	3.06E-04	1.0	1.8	4.59E-02		v
FIBIN	3.9	1.0	9.6	2.5	1.20E-02	11.7	3.0	5.75E-01		
PTPRF	0.5	1.0	1.1	2.5	4.61E-03	0.7	1.4	1.12E-01		
COL8A1	3.5	1.0	8.5	2.5	1.54E-03	5.6	1.6	2.13E-01		
NCRNA00152	1.8	1.0	4.3	2.5	2.70E-03	4.1	2.3	8.77E-01		
IGFBP2	25.6	1.0	62.5	2.4	2.48E-02	47.5	1.9	3.19E-01		
LSP1	6.1	1.0	14.9	2.4	1.31E-02	12.9	2.1	6.47E-01		
TNC	1.1	1.0	2.6	2.4	3.71E-02	5.0	4.7	3.60E-01		
KCNC4	1.0	1.0	2.5	2.4	9.59E-06	2.7	2.6	7.33E-01		
QPCT	0.7	1.0	1.6	2.4	8.16E-04	1.4	2.1	3.44E-01		
GEM	4.3	1.0	10.3	2.4	3.65E-03	7.7	1.8	4.50E-01		
MME	0.6	1.0	1.5	2.4	1.39E-02	1.2	1.9	9.37E-02		
TGFB2	0.7	1.0	1.6	2.4	3.08E-02	2.2	3.3	5.06E-01		
CLEC11A	1.3	1.0	3.1	2.4	3.54E-03	3.1	2.4	9.82E-01		
DUSP6	5.0	1.0	11.9	2.4	1.76E-02	10.2	2.0	6.42E-01		
SVEP1	1.2	1.0	2.9	2.4	3.30E-03	2.2	1.8	3.03E-01		
VCAN	5.2	1.0	12.5	2.4	2.34E-02	9.4	1.8	5.20E-01		
SNCA	0.8	1.0	1.9	2.4	1.33E-03	1.2	1.5	5.16E-02		
SMAD7	3.2	1.0	7.4	2.3	7.56E-04	4.6	1.5	1.11E-01		
ETV5	1.0	1.0	2.4	2.3	4.20E-03	1.2	1.2	5.47E-02		
THBS3	2.2	1.0	5.2	2.3	2.52E-02	4.0	1.8	4.60E-01		
MEST	0.8	1.0	1.9	2.3	1.27E-02	1.0	1.2	2.47E-02		v
SNAP47	6.3	1.0	14.7	2.3	3.98E-07	12.3	1.9	2.12E-01		
SOD3	18.0	1.0	41.6	2.3	4.77E-02	32.5	1.8	4.63E-01		
EPHA3	1.7	1.0	3.9	2.3	6.17E-03	3.2	1.9	4.95E-01		
FKBP10	3.2	1.0	7.3	2.3	4.36E-02	5.9	1.9	5.65E-01		
DUSP15	0.9	1.0	2.1	2.3	1.03E-02	1.3	1.4	4.56E-02		v
HTRA1	15.3	1.0	34.9	2.3	4.16E-03	25.7	1.7	2.52E-01		
HSPB6	379.4	1.0	859.2	2.3	1.02E-05	710.8	1.9	2.81E-01		
RCN3	3.3	1.0	7.4	2.3	4.74E-02	6.2	1.9	6.33E-01		
NRP2	0.9	1.0	1.9	2.2	1.91E-02	1.2	1.4	1.48E-01		
C1QTNF7	0.6	1.0	1.4	2.2	2.53E-02	1.0	1.6	3.11E-01		
CDH11	2.0	1.0	4.6	2.2	4.24E-02	3.3	1.6	4.27E-01		
DUSP5	2.7	1.0	5.9	2.2	3.12E-03	10.2	3.8	2.29E-01		
MOXD1	1.1	1.0	2.5	2.2	4.30E-03	2.0	1.8	3.65E-01		
RGS11	3.8	1.0	8.3	2.2	1.72E-04	7.4	2.0	6.73E-02		
LEPR	1.4	1.0	3.0	2.2	1.27E-02	1.8	1.3	1.14E-01		
FAM107B	1.2	1.0	2.7	2.2	4.14E-03	1.9	1.5	1.69E-01		
FSCN1	2.4	1.0	5.2	2.2	1.75E-02	3.4	1.4	1.66E-01		
MN1	1.1	1.0	2.3	2.2	1.23E-02	1.3	1.2	1.02E-01		
KCTD17	1.3	1.0	2.7	2.2	1.50E-02	1.8	1.5	1.89E-01		
SPRY1	5.8	1.0	12.4	2.2	2.94E-03	15.7	2.7	3.30E-01		
NBLA00301	2.0	1.0	4.3	2.1	9.72E-06	3.6	1.8	1.41E-01		
LEPREL1	0.8	1.0	1.7	2.1	5.07E-03	1.4	1.7	1.30E-01		
SPHK1	1.0	1.0	2.1	2.1	1.51E-03	1.8	1.9	5.24E-01		
C7orf41	4.3	1.0	9.2	2.1	1.13E-04	6.9	1.6	5.97E-02		
KDELR3	2.4	1.0	5.1	2.1	4.77E-03	4.1	1.7	3.01E-01		
ANKRD33B	1.0	1.0	2.1	2.1	4.93E-03	2.1	2.1	9.83E-01		
GPX8	0.9	1.0	2.0	2.1	6.55E-03	1.2	1.3	9.21E-02		

TPM3	17.2	1.0	36.5	2.1	1.14E-02	31.4	1.8	5.14E-01		
BHLHE40	10.0	1.0	21.1	2.1	3.57E-02	21.3	2.1	9.87E-01		
FSTL3	16.2	1.0	34.0	2.1	3.25E-03	32.0	2.0	7.22E-01		
GLT25D2	1.8	1.0	3.8	2.1	8.27E-03	3.2	1.8	5.69E-01		
GOLM1	2.0	1.0	4.2	2.1	7.41E-03	3.3	1.6	2.85E-01		
ABI3BP	5.3	1.0	11.2	2.1	4.36E-02	9.9	1.9	7.59E-01		
PIK3IP1	5.6	1.0	11.8	2.1	8.89E-03	7.0	1.2	3.03E-02		v
SCN2B	3.3	1.0	7.0	2.1	3.78E-05	5.0	1.5	4.30E-03		v
MARVELD1	2.2	1.0	4.5	2.1	4.84E-02	2.9	1.3	2.63E-01		
PPP1R10	3.0	1.0	6.2	2.1	2.61E-05	4.8	1.6	1.07E-01		
DNM1	1.6	1.0	3.3	2.1	3.58E-02	2.3	1.4	2.93E-01		
MYH10	7.0	1.0	14.6	2.1	3.39E-02	9.7	1.4	2.46E-01		
CACNB1	1.1	1.0	2.3	2.1	5.91E-03	1.8	1.7	3.98E-01		
F10	1.9	1.0	4.0	2.1	1.03E-02	3.4	1.8	4.42E-01		
RAB31	3.5	1.0	7.1	2.1	2.35E-02	5.9	1.7	5.63E-01		
SERPINI1	2.1	1.0	4.3	2.1	3.82E-05	3.5	1.7	1.25E-01		
FZD7	4.1	1.0	8.4	2.0	1.10E-05	5.0	1.2	2.78E-03		v
DDAH1	2.5	1.0	5.1	2.0	4.75E-02	5.5	2.2	8.29E-01		
PROM1	0.6	1.0	1.1	2.0	6.09E-03	1.9	3.5	3.97E-01		
STAMBPL1	1.1	1.0	2.1	2.0	1.64E-03	1.3	1.3	7.26E-02		
PTGFRN	11.0	1.0	22.3	2.0	7.62E-06	17.4	1.6	3.27E-02		
CD44	2.7	1.0	5.4	2.0	1.80E-02	4.6	1.7	5.76E-01		
MAFK	16.1	1.0	32.4	2.0	1.46E-04	31.5	2.0	8.02E-01		
IRF7	2.1	1.0	4.2	2.0	4.81E-02	3.6	1.8	6.46E-01		
SLC9A1	3.5	1.0	7.1	2.0	1.55E-04	5.2	1.5	4.40E-02		v
ACE	1.6	1.0	3.2	2.0	3.81E-02	3.5	2.2	6.61E-01		
EXT1	3.5	1.0	6.9	2.0	3.36E-03	6.3	1.8	5.74E-01		
FNDC1	0.5	1.0	0.9	2.0	2.16E-02	1.8	3.9	8.31E-02		
CXCL16	1.3	1.0	2.5	2.0	4.94E-02	1.8	1.4	4.12E-01		
HSPA2	5.4	1.0	10.6	2.0	4.28E-02	12.2	2.3	6.25E-01		
HIST1H4H	1.1	1.0	2.1	2.0	1.32E-02	1.6	1.5	1.73E-01		
ARID5A	6.6	1.0	13.0	2.0	7.29E-03	16.7	2.5	1.73E-01		
GDPD5	0.8	1.0	1.5	2.0	3.02E-02	1.3	1.7	6.30E-01		
BAMBI	4.5	1.0	8.8	2.0	1.38E-02	8.8	1.9	9.70E-01		
GPR153	1.0	1.0	1.9	2.0	6.68E-03	1.3	1.3	1.48E-01		
COL4A5	1.2	1.0	2.4	2.0	3.79E-03	1.9	1.6	1.53E-01		
PROS1	17.2	1.0	33.5	2.0	3.24E-03	21.9	1.3	3.27E-02		v
PPDPF	76.1	1.0	148.4	1.9	5.89E-05	130.8	1.7	1.16E-01		
ARPC4-TTLL3	1.3	1.0	2.5	1.9	2.49E-03	2.0	1.5	1.51E-01		
SOCS2	3.2	1.0	6.2	1.9	9.49E-04	8.5	2.6	9.08E-02		
CDR2	2.1	1.0	4.0	1.9	2.53E-02	3.2	1.5	4.08E-01		
XAF1	1.8	1.0	3.5	1.9	3.12E-02	2.6	1.5	3.28E-01		
MFI2	1.4	1.0	2.7	1.9	2.86E-02	1.9	1.3	5.38E-02		
DIO2	1.8	1.0	3.5	1.9	2.22E-02	4.2	2.3	4.38E-01		
CXCR4	1.4	1.0	2.6	1.9	2.39E-02	4.2	3.1	3.08E-01		
CRYM	26.2	1.0	50.2	1.9	1.45E-02	42.9	1.6	2.95E-01		
FADS2	3.4	1.0	6.6	1.9	3.52E-02	5.5	1.6	5.32E-01		
DACT3	2.2	1.0	4.2	1.9	2.85E-02	3.0	1.4	2.76E-01		
ANKRD1	1116.5	1.0	2130.5	1.9	1.12E-02	2365.1	2.1	5.79E-01		
IFI27L2	10.8	1.0	20.6	1.9	1.11E-03	19.3	1.8	6.31E-01		
COL12A1	4.3	1.0	8.1	1.9	1.45E-03	7.3	1.7	6.72E-01		
HNMT	1.8	1.0	3.5	1.9	2.11E-02	2.2	1.2	1.25E-01		
DOK4	1.8	1.0	3.3	1.9	1.87E-02	2.3	1.3	1.36E-01		
LTBP3	16.7	1.0	31.6	1.9	1.55E-02	26.0	1.6	4.14E-01		
RAB23	2.7	1.0	5.2	1.9	1.05E-02	3.6	1.3	1.71E-01		
STMN3	2.0	1.0	3.7	1.9	4.57E-02	3.2	1.6	6.19E-01		
SLC22A17	2.7	1.0	5.0	1.9	1.17E-02	4.0	1.5	2.10E-01		
SLC19A3	0.2	1.0	0.3	1.9	7.99E-03	0.2	1.2	5.89E-02		
B3GNT9	2.9	1.0	5.4	1.9	6.18E-03	4.3	1.5	2.72E-01		
PER2	1.0	1.0	1.9	1.9	3.63E-03	2.5	2.6	2.81E-01		
COL5A1	3.9	1.0	7.3	1.9	3.64E-02	6.4	1.7	6.92E-01		
ATP8B2	2.6	1.0	4.9	1.9	6.33E-03	3.6	1.4	1.84E-01		
PLCE1	2.9	1.0	5.4	1.9	5.17E-04	5.1	1.8	7.18E-01		
PAK1	1.5	1.0	2.9	1.9	1.69E-02	1.9	1.3	7.70E-02		
PDE5A	1.4	1.0	2.6	1.9	3.07E-03	2.3	1.6	4.51E-01		
BMP6	1.1	1.0	2.0	1.9	2.17E-02	1.1	1.0	7.43E-02		
SNED1	1.5	1.0	2.8	1.9	2.52E-02	2.1	1.4	2.31E-01		
ENPP2	1.9	1.0	3.5	1.9	4.49E-02	2.1	1.1	9.85E-02		
CGNL1	3.7	1.0	7.0	1.9	4.36E-03	5.4	1.4	6.97E-02		
UBA7	3.6	1.0	6.7	1.9	1.20E-02	5.5	1.6	2.88E-01		
FKBP11	1.1	1.0	2.1	1.9	1.20E-02	1.9	1.7	6.86E-01		
ENAM	1.3	1.0	2.4	1.9	7.71E-04	2.1	1.6	2.39E-01		
NAP1L5	1.5	1.0	2.8	1.9	5.99E-04	2.5	1.6	1.52E-01		
GLT8D2	3.2	1.0	5.9	1.9	6.64E-03	4.7	1.5	3.09E-01		
TMEM54	3.7	1.0	6.8	1.9	7.20E-03	5.3	1.5	1.58E-01		
DDAH2	12.7	1.0	23.5	1.9	4.36E-03	23.3	1.8	9.46E-01		
PRRX1	7.6	1.0	14.0	1.8	8.14E-03	15.7	2.1	4.63E-01		
LOX	1.4	1.0	2.5	1.8	2.85E-02	1.9	1.3	4.10E-01		
BCL6B	2.7	1.0	5.0	1.8	2.36E-03	4.5	1.7	5.59E-01		
SSPN	6.7	1.0	12.4	1.8	2.20E-04	9.0	1.3	8.73E-02		
C14orf179	4.9	1.0	9.0	1.8	9.80E-05	8.8	1.8	8.08E-01		
VEGFC	1.8	1.0	3.2	1.8	1.98E-03	2.2	1.3	5.49E-02		
SLC20A1	2.8	1.0	5.2	1.8	2.10E-03	5.4	1.9	7.93E-01		
LMF1	1.7	1.0	3.1	1.8	1.43E-02	3.1	1.8	9.63E-01		

MYEF2	1.4	1.0	2.5	1.8	9.86E-06	2.2	1.6	3.16E-01		
LOXL2	1.4	1.0	2.6	1.8	5.38E-03	2.5	1.7	8.45E-01		
GDF11	2.3	1.0	4.2	1.8	2.55E-03	3.0	1.3	1.01E-01		
PNMA1	1.6	1.0	2.9	1.8	6.79E-04	2.3	1.4	2.06E-01		
ENC1	1.2	1.0	2.2	1.8	9.19E-03	1.7	1.5	4.60E-01		
ZBTB47	17.2	1.0	31.2	1.8	1.96E-03	23.8	1.4	1.05E-01		
FGF18	3.2	1.0	5.8	1.8	2.40E-02	4.6	1.4	4.50E-01		
CARD16	2.0	1.0	3.6	1.8	3.22E-02	2.8	1.4	2.10E-01		
AGRN	2.8	1.0	5.1	1.8	1.22E-02	4.0	1.4	1.94E-01		
JAM3	7.9	1.0	14.2	1.8	2.62E-04	11.3	1.4	9.58E-02		
COL21A1	5.8	1.0	10.4	1.8	3.44E-04	9.9	1.7	6.74E-01		
SRR	1.6	1.0	2.9	1.8	1.01E-04	2.0	1.2	2.77E-03		√
DYNC2LI1	2.8	1.0	5.1	1.8	1.09E-04	3.8	1.3	4.95E-02		
RAI14	1.1	1.0	2.0	1.8	1.46E-02	1.6	1.4	2.44E-01		
ACTA1	1603.0	1.0	2858.3	1.8	3.80E-02	3957.4	2.5	1.39E-01		
TMEM60	2.5	1.0	4.5	1.8	2.62E-05	3.8	1.5	1.29E-01		
SACS	1.1	1.0	2.0	1.8	5.15E-03	1.5	1.4	1.32E-01		
C19orf66	3.2	1.0	5.8	1.8	1.47E-02	5.2	1.6	5.13E-01		
DLG4	2.2	1.0	3.9	1.8	3.35E-05	3.4	1.5	1.28E-01		
C20orf26	5.4	1.0	9.6	1.8	3.94E-03	6.6	1.2	6.85E-03		√
TLL2	1.0	1.0	1.7	1.8	2.74E-02	1.9	2.0	7.01E-01		
SCRN1	4.8	1.0	8.5	1.8	7.87E-04	6.7	1.4	1.68E-01		
LEPREL2	2.7	1.0	4.8	1.8	4.74E-03	4.5	1.7	7.68E-01		
DBP	1.4	1.0	2.5	1.8	4.18E-02	2.2	1.5	6.30E-01		
LOC100130705	0.3	1.0	0.6	1.8	2.73E-02	1.2	3.7	2.22E-02		
DDR1	4.2	1.0	7.4	1.8	1.97E-02	7.2	1.7	8.43E-01		
FAM102B	1.0	1.0	1.8	1.8	1.11E-02	1.5	1.5	3.90E-01		
RARG	2.7	1.0	4.8	1.8	4.75E-02	3.1	1.1	1.26E-01		
SPRY4	2.2	1.0	3.9	1.8	2.47E-03	3.8	1.7	9.49E-01		
USP11	9.9	1.0	17.3	1.8	2.95E-05	15.8	1.6	3.42E-01		
SERPINF1	72.4	1.0	127.2	1.8	3.83E-02	95.1	1.3	2.92E-01		
SDC2	9.3	1.0	16.3	1.8	8.01E-03	13.5	1.4	3.19E-01		
TMEM71	7.0	1.0	12.2	1.8	1.11E-02	13.5	1.9	4.94E-01		
DFNA5	1.6	1.0	2.8	1.8	1.51E-02	2.2	1.4	2.56E-01		
NRARP	2.1	1.0	3.7	1.8	5.21E-03	1.8	-1.2	8.91E-04		
DYNLL1	36.2	1.0	63.4	1.8	1.95E-03	52.2	1.4	1.50E-01		
GARNL3	3.0	1.0	5.3	1.8	5.76E-04	4.3	1.4	1.94E-01		
ORMDL3	12.4	1.0	21.7	1.7	2.74E-05	19.3	1.6	1.66E-01		
DDX60	1.1	1.0	1.9	1.7	1.86E-02	1.3	1.2	1.46E-01		
SLCO2A1	3.6	1.0	6.3	1.7	1.95E-02	3.1	-1.1	1.93E-02		
CTNND2	2.0	1.0	3.5	1.7	1.49E-02	2.4	1.2	1.29E-02		√
VWA5A	1.1	1.0	1.9	1.7	3.69E-02	1.4	1.2	2.23E-01		
ARHGAP1	17.8	1.0	31.1	1.7	2.02E-03	27.7	1.6	3.52E-01		
COPZ2	9.2	1.0	16.0	1.7	2.29E-03	12.8	1.4	1.27E-01		
DOK5	2.0	1.0	3.5	1.7	3.66E-02	3.3	1.6	8.22E-01		
TSPAN9	29.1	1.0	50.7	1.7	1.51E-04	42.5	1.5	8.00E-02		
PMEPA1	4.3	1.0	7.4	1.7	4.92E-04	6.2	1.5	2.01E-01		
LMO2	2.4	1.0	4.2	1.7	4.00E-02	2.2	-1.1	2.43E-02	√	√
IGF1	1.6	1.0	2.7	1.7	1.23E-02	3.1	1.9	6.10E-01		
PLEKHB1	2.6	1.0	4.4	1.7	1.31E-02	4.2	1.6	5.29E-01		
GSDMB	1.1	1.0	1.8	1.7	1.76E-02	1.8	1.7	8.22E-01		
HMGN2	22.5	1.0	38.5	1.7	2.97E-04	33.2	1.5	1.60E-01		
INPP5F	1.4	1.0	2.4	1.7	1.28E-02	2.2	1.5	6.35E-01		
DUSP8	3.3	1.0	5.6	1.7	1.46E-03	4.1	1.2	1.70E-02		√
FAM102A	3.0	1.0	5.1	1.7	9.20E-04	3.2	1.1	1.75E-02	√	√
TMEM231	1.9	1.0	3.3	1.7	1.03E-04	2.6	1.4	7.39E-02		
PLXDC1	2.8	1.0	4.8	1.7	6.12E-03	4.7	1.7	9.23E-01		
TMEM22	1.1	1.0	1.9	1.7	1.30E-02	1.7	1.5	4.23E-01		
RRP12	3.3	1.0	5.7	1.7	8.21E-03	5.8	1.7	8.96E-01		
DAP	8.9	1.0	15.3	1.7	8.70E-03	11.6	1.3	2.23E-01		
CHST7	3.5	1.0	6.0	1.7	2.04E-02	5.0	1.4	3.95E-01		
DLL4	2.6	1.0	4.4	1.7	1.84E-03	4.9	1.9	6.79E-01		
HAUS1	2.2	1.0	3.7	1.7	1.46E-02	3.4	1.6	4.63E-01		
GNB3	2.0	1.0	3.4	1.7	1.46E-02	3.4	1.7	9.80E-01		
ACYP1	2.8	1.0	4.7	1.7	1.55E-03	3.6	1.3	3.80E-02		
ST8SIA5	1.3	1.0	2.2	1.7	3.11E-02	2.3	1.8	8.56E-01		
ODC1	15.0	1.0	25.6	1.7	6.40E-06	21.9	1.5	1.91E-02		
SC4MOL	1.4	1.0	2.4	1.7	1.61E-02	2.5	1.8	8.51E-01		
CMIP	2.0	1.0	3.5	1.7	1.97E-02	2.6	1.3	1.77E-01		
CPE	16.8	1.0	28.6	1.7	2.45E-02	25.4	1.5	5.80E-01		
FARP1	3.0	1.0	5.0	1.7	1.59E-02	4.9	1.7	9.06E-01		
SHB	1.9	1.0	3.2	1.7	1.30E-02	2.8	1.5	4.83E-01		
PDLIM3	42.5	1.0	71.9	1.7	4.49E-03	62.9	1.5	2.96E-01		
AFAP1	1.4	1.0	2.3	1.7	2.38E-02	1.7	1.2	2.67E-01		
ZNF300P1	1.0	1.0	1.6	1.7	9.22E-03	1.2	1.2	2.66E-03		√
SEMA5B	1.4	1.0	2.3	1.7	1.05E-02	2.2	1.6	7.28E-01		
CDC42EP5	1.9	1.0	3.2	1.7	4.43E-04	3.2	1.7	9.57E-01		
EGLN3	24.3	1.0	40.9	1.7	1.65E-02	42.7	1.8	8.59E-01		
TPBG	1.1	1.0	1.8	1.7	1.69E-02	1.5	1.4	3.91E-01		
AP3M2	3.1	1.0	5.1	1.7	2.56E-06	4.1	1.3	1.36E-02		
NES	34.7	1.0	58.2	1.7	3.31E-03	64.7	1.9	5.56E-01		
PCDHGA12	1.2	1.0	2.1	1.7	3.59E-02	1.5	1.2	2.57E-01		
SAP25	1.1	1.0	1.8	1.7	2.74E-02	1.8	1.7	9.66E-01		
TGFB1	4.7	1.0	7.9	1.7	1.66E-02	5.2	1.1	8.36E-02		

EDNRA	4.5	1.0	7.6	1.7	3.03E-05	6.8	1.5	4.01E-01		
FAM43A	2.9	1.0	4.9	1.7	1.83E-02	3.2	1.1	4.53E-02		V
MAP2K3	9.2	1.0	15.4	1.7	2.54E-05	13.4	1.4	2.99E-01		
HIST1H2BK	2.7	1.0	4.5	1.7	1.88E-02	3.5	1.3	2.12E-01		
TMEM136	2.0	1.0	3.3	1.7	1.02E-03	2.3	1.1	1.11E-02		V
IRX3	9.6	1.0	15.9	1.7	4.30E-02	9.3	-1.0	1.93E-02	V	V
TMED3	7.3	1.0	12.1	1.7	6.63E-03	9.5	1.3	2.10E-01		
ASNS	3.2	1.0	5.4	1.7	5.38E-04	3.6	1.1	1.77E-03		V
UBE2Q2	5.4	1.0	9.0	1.7	8.44E-04	7.3	1.3	1.03E-01		
GAB2	4.4	1.0	7.3	1.7	1.31E-04	5.8	1.3	1.00E-01		
OTUD1	5.8	1.0	9.7	1.7	1.17E-02	21.2	3.6	7.25E-02		
NBPF14	4.1	1.0	6.7	1.7	8.99E-03	4.9	1.2	4.25E-02		V
NRIP2	1.3	1.0	2.2	1.7	2.74E-03	1.7	1.3	9.31E-02		
WTIP	3.9	1.0	6.4	1.7	3.44E-04	6.2	1.6	7.70E-01		
ST3GAL6	9.8	1.0	16.2	1.7	2.70E-03	13.6	1.4	1.95E-01		
IFT20	1.7	1.0	2.8	1.7	8.64E-03	2.5	1.5	5.48E-01		
SNHG9	2.3	1.0	3.9	1.7	3.57E-02	3.0	1.3	2.19E-01		
ATP13A3	8.5	1.0	14.1	1.7	3.61E-02	7.9	-1.1	6.47E-02		
PGBD5	1.8	1.0	3.0	1.7	5.77E-04	2.1	1.2	3.06E-02		V
TRIP6	4.6	1.0	7.6	1.6	1.09E-02	6.8	1.5	4.96E-01		
XPC	4.0	1.0	6.6	1.6	7.15E-03	5.4	1.3	2.47E-01		
TSTD1	2.9	1.0	4.7	1.6	9.23E-03	3.8	1.3	1.27E-01		
SGCE	6.7	1.0	11.1	1.6	4.49E-02	9.6	1.4	5.17E-01		
EIF4EBP3	5.5	1.0	9.1	1.6	3.28E-02	12.0	2.2	2.28E-01		
ITIH5	3.4	1.0	5.6	1.6	1.34E-02	6.0	1.8	7.09E-01		
BACE2	2.7	1.0	4.4	1.6	1.26E-02	3.0	1.1	1.00E-01		
VSNL1	3.5	1.0	5.8	1.6	1.41E-03	4.7	1.3	2.25E-02		
STK38L	9.3	1.0	15.2	1.6	3.76E-03	11.9	1.3	2.25E-01		
PLAGL1	4.1	1.0	6.7	1.6	2.96E-03	6.0	1.5	4.68E-01		
SLC27A3	1.9	1.0	3.1	1.6	1.34E-02	2.4	1.3	1.15E-01		
CHN1	2.8	1.0	4.6	1.6	6.02E-05	4.3	1.5	4.00E-01		
SEPT6	3.5	1.0	5.7	1.6	4.80E-03	4.7	1.4	2.77E-01		
CSPG4	3.2	1.0	5.2	1.6	1.08E-02	4.8	1.5	5.86E-01		
TUBA1A	49.4	1.0	81.0	1.6	2.21E-02	65.7	1.3	2.66E-01		
C6orf27	2.6	1.0	4.2	1.6	2.62E-03	3.5	1.4	3.89E-01		
MCAM	19.9	1.0	32.5	1.6	4.68E-02	23.5	1.2	1.75E-01		
FPGT-TNNI3K	2.0	1.0	3.2	1.6	2.87E-02	2.3	1.2	5.79E-02		
MAP3K12	1.6	1.0	2.6	1.6	3.85E-02	2.0	1.2	2.45E-01		
CASP3	3.1	1.0	5.0	1.6	4.60E-03	5.3	1.7	6.61E-01		
KIAA0556	1.9	1.0	3.1	1.6	2.76E-04	2.7	1.4	2.92E-01		
PIGF	2.1	1.0	3.4	1.6	2.41E-03	2.9	1.4	1.78E-01		
IGFBP7	266.7	1.0	435.2	1.6	4.51E-02	350.1	1.3	3.60E-01		
C3orf58	1.2	1.0	2.0	1.6	3.51E-03	1.8	1.5	5.51E-01		
GADD45A	16.4	1.0	26.7	1.6	1.03E-02	32.7	2.0	2.10E-01		
AZIN1	9.0	1.0	14.8	1.6	5.01E-04	13.5	1.5	5.90E-01		
PCDHGA3	1.7	1.0	2.8	1.6	6.87E-05	2.2	1.3	5.09E-02		
KCNJ4	8.5	1.0	13.8	1.6	7.95E-05	14.6	1.7	6.06E-01		
MEOX2	3.1	1.0	5.1	1.6	3.26E-02	3.4	1.1	9.34E-02		
TP53INP2	27.0	1.0	43.9	1.6	1.37E-03	37.8	1.4	2.62E-01		
FGF1	9.0	1.0	14.6	1.6	1.69E-03	11.5	1.3	5.02E-02		
DLL1	2.5	1.0	4.0	1.6	3.12E-02	4.5	1.8	3.29E-01		
CD151	75.1	1.0	122.0	1.6	2.62E-02	85.4	1.1	2.59E-02		V
VAMP1	2.3	1.0	3.7	1.6	1.92E-02	2.4	1.0	2.40E-02	V	V
VGLL4	5.4	1.0	8.7	1.6	2.67E-03	7.2	1.4	2.14E-01		
VAV2	1.4	1.0	2.2	1.6	4.53E-03	1.9	1.4	3.47E-01		
DHRS11	3.0	1.0	4.8	1.6	2.87E-03	4.6	1.5	6.77E-01		
SERPINH1	13.7	1.0	22.2	1.6	1.65E-02	16.8	1.2	2.12E-01		
SFXN3	3.9	1.0	6.3	1.6	3.08E-02	4.6	1.2	1.46E-01		
ENAH	3.7	1.0	5.9	1.6	5.87E-04	6.4	1.7	6.61E-01		
DNAJA4	31.3	1.0	50.6	1.6	5.28E-03	45.5	1.5	4.92E-01		
CXorf56	2.4	1.0	3.9	1.6	1.67E-06	3.5	1.4	1.54E-01		
B3GNT5	0.6	1.0	1.0	1.6	3.22E-02	1.5	2.5	1.42E-01		
TCTN3	3.5	1.0	5.7	1.6	2.78E-04	4.1	1.2	4.45E-02		V
CCND1	17.3	1.0	27.8	1.6	6.22E-05	22.2	1.3	8.45E-02		
VKORC1	13.0	1.0	21.0	1.6	1.97E-02	15.7	1.2	1.32E-01		
PPIP5K1	2.0	1.0	3.2	1.6	2.05E-05	2.6	1.3	9.07E-02		
RABL2B	1.7	1.0	2.7	1.6	1.38E-02	2.4	1.4	5.14E-01		
PACS1	11.5	1.0	18.4	1.6	7.67E-03	15.7	1.4	3.02E-01		
ANKRD29	1.8	1.0	2.8	1.6	8.37E-03	2.2	1.3	1.34E-01		
TRIM41	5.4	1.0	8.6	1.6	2.83E-07	7.5	1.4	7.88E-02		
SFRP1	9.9	1.0	16.0	1.6	3.24E-02	14.1	1.4	5.66E-01		
EVL	10.6	1.0	17.0	1.6	1.90E-04	14.1	1.3	1.29E-01		
MOBKL2C	2.6	1.0	4.2	1.6	3.25E-03	4.6	1.8	4.14E-01		
TCEA2	4.5	1.0	7.2	1.6	2.99E-03	6.8	1.5	5.59E-01		
EML2	5.5	1.0	8.8	1.6	9.97E-06	7.3	1.3	2.05E-02		
P4HTM	5.9	1.0	9.5	1.6	2.87E-05	7.0	1.2	1.36E-04		V
IDUA	1.8	1.0	2.9	1.6	2.09E-02	2.6	1.5	6.21E-01		
CCDC28A	3.8	1.0	6.0	1.6	2.89E-04	5.9	1.6	7.50E-01		
SPATS2L	7.7	1.0	12.3	1.6	3.53E-02	10.1	1.3	3.49E-01		
TNFRSF10D	0.9	1.0	1.5	1.6	1.84E-02	1.6	1.7	7.69E-01		
ICOSLG	1.4	1.0	2.3	1.6	3.59E-02	1.7	1.2	2.17E-01		
MAPK4	6.5	1.0	10.4	1.6	1.78E-02	7.3	1.1	8.56E-02		
RTN3	12.4	1.0	19.8	1.6	2.92E-03	18.6	1.5	6.09E-01		

RELL1	1.6	1.0	2.5	1.6	3.55E-04	2.2	1.4	1.62E-01		
PEX12	2.1	1.0	3.4	1.6	1.15E-06	2.6	1.2	2.09E-02		
ANO1	4.0	1.0	6.5	1.6	3.81E-02	6.0	1.5	7.78E-01		
MEX3D	1.1	1.0	1.8	1.6	2.08E-03	1.5	1.3	2.29E-01		
SLC26A11	1.1	1.0	1.8	1.6	2.36E-02	1.5	1.3	3.05E-01		
TMCO3	5.7	1.0	9.1	1.6	7.17E-03	7.7	1.3	3.08E-01		
ADAM19	2.2	1.0	3.6	1.6	2.49E-02	3.4	1.5	8.52E-01		
EHD3	6.1	1.0	9.8	1.6	1.58E-02	7.0	1.1	7.81E-02		
CXCR7	10.1	1.0	16.1	1.6	1.24E-03	9.0	-1.1	3.54E-03		
MUTED-TXNDC5	1.2	1.0	1.9	1.6	4.85E-02	1.1	-1.1	3.76E-03	V	V
CEP164	1.4	1.0	2.2	1.6	2.53E-02	2.0	1.4	4.88E-01		
PRMT2	11.0	1.0	17.4	1.6	4.67E-03	15.5	1.4	4.31E-01		
CTF1	3.0	1.0	4.8	1.6	3.94E-03	5.6	1.8	1.69E-01		
FMNL3	1.8	1.0	2.8	1.6	1.54E-03	2.4	1.3	3.36E-01		
FAM13C	2.4	1.0	3.7	1.6	7.78E-03	3.6	1.5	7.69E-01		
PPP2R1B	1.6	1.0	2.5	1.6	1.94E-03	1.8	1.2	2.68E-02		V
TNK2	4.1	1.0	6.4	1.6	1.64E-02	5.0	1.2	8.74E-02		
ACTG1	94.7	1.0	149.2	1.6	4.80E-02	127.9	1.4	5.33E-01		
FUT8	1.7	1.0	2.6	1.6	1.42E-03	2.1	1.3	2.64E-01		
GPRASP1	3.3	1.0	5.2	1.6	4.83E-03	5.0	1.5	7.17E-01		
DLGAP4	9.8	1.0	15.4	1.6	6.35E-03	12.8	1.3	2.92E-01		
FAM156B	3.9	1.0	6.1	1.6	2.21E-02	5.6	1.5	4.92E-01		
CHST14	2.7	1.0	4.2	1.6	4.91E-02	3.5	1.3	3.98E-01		
YPEL2	6.7	1.0	10.6	1.6	7.46E-04	8.3	1.2	1.01E-01		
PMM1	5.8	1.0	9.0	1.6	5.49E-03	7.4	1.3	3.19E-02		
RGS3	19.8	1.0	31.1	1.6	2.59E-03	24.0	1.2	9.79E-02		
ALPK3	20.8	1.0	32.6	1.6	5.84E-03	27.4	1.3	1.91E-01		
ID3	22.9	1.0	35.9	1.6	2.28E-02	26.7	1.2	1.44E-01		
C1orf63	10.9	1.0	17.0	1.6	2.09E-03	17.5	1.6	7.78E-01		
MALL	2.8	1.0	4.3	1.6	2.92E-02	2.3	-1.2	1.05E-02		
ARHGAP24	3.5	1.0	5.5	1.6	4.96E-03	4.6	1.3	1.73E-01		
PRR24	4.0	1.0	6.3	1.6	2.88E-02	6.4	1.6	9.11E-01		
SRPX2	2.8	1.0	4.4	1.6	4.56E-02	3.8	1.4	5.99E-01		
TGDS	1.5	1.0	2.3	1.6	3.58E-04	2.2	1.5	5.10E-01		
CEMP1	1.4	1.0	2.2	1.6	1.34E-02	1.8	1.3	6.61E-02		
KIAA1949	3.7	1.0	5.8	1.6	2.49E-02	4.5	1.2	2.36E-01		
MICALL2	1.9	1.0	3.0	1.6	1.30E-02	2.5	1.3	2.45E-01		
MED30	2.5	1.0	3.9	1.6	1.30E-04	3.6	1.5	4.89E-01		
TGFBI	13.8	1.0	21.6	1.6	1.44E-02	17.4	1.3	3.50E-01		
PDGFA	2.8	1.0	4.3	1.6	1.73E-02	3.5	1.3	3.64E-01		
RRAS2	8.1	1.0	12.7	1.6	4.41E-02	19.4	2.4	1.82E-01		
TWSG1	3.1	1.0	4.9	1.6	1.20E-02	4.3	1.4	3.96E-01		
HSPB1	494.9	1.0	771.0	1.6	1.24E-03	779.9	1.6	9.30E-01		
ANGPTL2	9.3	1.0	14.4	1.6	1.39E-02	12.1	1.3	4.53E-01		
PFN2	13.0	1.0	20.2	1.6	6.87E-03	14.4	1.1	3.94E-02		V
NAB2	2.8	1.0	4.4	1.6	3.93E-03	2.9	1.0	2.34E-02	V	V
SH3YL1	2.1	1.0	3.2	1.6	6.87E-04	3.0	1.4	4.52E-01		
EHMT2	2.7	1.0	4.2	1.6	1.66E-02	3.4	1.3	1.96E-01		
PLEKHO2	2.9	1.0	4.5	1.6	2.29E-02	3.4	1.2	2.78E-01		
ARRDC3	2.8	1.0	4.3	1.6	8.44E-03	4.9	1.7	6.49E-01		
HSPA1B	29.7	1.0	46.0	1.6	7.07E-03	50.8	1.7	6.58E-01		
C11orf95	1.6	1.0	2.5	1.6	1.52E-03	1.8	1.1	6.55E-02		
TERF2IP	17.6	1.0	27.3	1.6	5.29E-07	24.3	1.4	1.25E-01		
BHLHE41	2.7	1.0	4.2	1.5	8.56E-03	2.7	1.0	1.63E-01		
C7orf60	2.8	1.0	4.3	1.5	2.54E-02	2.9	1.0	7.80E-02		
COMT	10.3	1.0	15.9	1.5	8.35E-04	14.0	1.4	1.70E-01		
MAP3K3	9.5	1.0	14.7	1.5	1.23E-04	14.0	1.5	7.20E-01		
YWHAQ	45.7	1.0	70.8	1.5	9.43E-05	61.7	1.3	2.31E-01		
ANKRD13D	2.8	1.0	4.3	1.5	4.88E-03	3.1	1.1	3.37E-02		V
GLRB	2.3	1.0	3.6	1.5	9.92E-04	2.9	1.3	8.11E-02		
TCTN1	2.7	1.0	4.3	1.5	3.07E-02	2.9	1.0	3.84E-02	V	V
C22orf25	8.0	1.0	12.4	1.5	1.01E-02	9.0	1.1	9.66E-03		V
PCDHGA2	1.9	1.0	3.0	1.5	4.46E-04	2.2	1.1	1.39E-02		V
PGCP	9.2	1.0	14.2	1.5	4.71E-02	11.1	1.2	3.13E-01		
DIXDC1	4.0	1.0	6.2	1.5	3.14E-03	4.9	1.2	1.64E-01		
TTC8	2.4	1.0	3.7	1.5	5.27E-04	3.1	1.3	2.11E-01		
DYRK1B	5.0	1.0	7.7	1.5	2.54E-05	7.4	1.5	5.94E-01		
RRAGB	2.9	1.0	4.4	1.5	9.71E-04	3.2	1.1	6.10E-03		V
LHPP	2.1	1.0	3.2	1.5	1.02E-02	3.1	1.5	8.82E-01		
MT1L	6.1	1.0	9.4	1.5	6.42E-04	8.1	1.3	2.40E-01		
SQSTM1	68.2	1.0	105.2	1.5	3.97E-06	91.0	1.3	5.85E-02		
AGPAT9	10.2	1.0	15.7	1.5	3.50E-02	13.5	1.3	4.06E-01		
DLG5	2.3	1.0	3.6	1.5	4.20E-03	3.1	1.3	3.03E-01		
CHRNB1	1.6	1.0	2.5	1.5	1.31E-02	1.6	1.0	1.72E-02	V	V
TSC22D2	3.7	1.0	5.7	1.5	9.44E-04	6.1	1.7	6.35E-01		
PATZ1	2.7	1.0	4.2	1.5	1.34E-04	3.4	1.2	3.27E-02		
C15orf39	2.0	1.0	3.1	1.5	1.93E-02	2.6	1.3	4.48E-01		
C1orf54	3.3	1.0	5.0	1.5	9.89E-03	4.5	1.4	6.08E-01		
GAB3	4.5	1.0	6.8	1.5	5.14E-03	4.7	1.1	1.22E-02	V	V
ZNF853	2.2	1.0	3.3	1.5	6.16E-04	2.7	1.3	8.95E-02		
OAT	9.9	1.0	15.2	1.5	1.17E-03	12.6	1.3	2.47E-01		
CASC4	6.1	1.0	9.3	1.5	1.55E-02	7.7	1.3	3.62E-01		
LIMA1	6.9	1.0	10.5	1.5	3.11E-02	9.5	1.4	5.82E-01		

WEE1	7.8	1.0	12.0	1.5	2.40E-03	11.2	1.4	5.58E-01		
UGDH	1.7	1.0	2.5	1.5	4.45E-02	2.0	1.2	3.11E-01		
CCDC85B	5.3	1.0	8.2	1.5	1.50E-02	7.1	1.3	3.79E-01		
COMMD3-BMI1	2.5	1.0	3.8	1.5	7.27E-03	3.5	1.4	4.00E-01		
MED31	1.6	1.0	2.5	1.5	9.60E-04	1.8	1.1	1.66E-03	∨	∨
TRIM4	1.5	1.0	2.3	1.5	1.01E-02	1.8	1.2	1.89E-01		
SIK2	4.7	1.0	7.1	1.5	3.03E-03	4.8	1.0	2.52E-03	∨	∨
DALRD3	2.6	1.0	4.0	1.5	7.90E-03	3.4	1.3	9.43E-02		
TMEM140	8.8	1.0	13.4	1.5	4.92E-03	12.8	1.5	7.35E-01		
ALDH3A2	10.6	1.0	16.2	1.5	2.61E-03	12.1	1.1	7.27E-02		
NAP1L2	2.5	1.0	3.8	1.5	1.16E-02	3.2	1.3	5.53E-02		
C19orf20	1.8	1.0	2.7	1.5	3.36E-02	2.3	1.3	1.77E-01		
NFE2L2	16.7	1.0	25.4	1.5	2.88E-04	22.7	1.4	4.45E-01		
TMEM161A	4.5	1.0	6.9	1.5	1.86E-03	6.2	1.4	2.62E-01		
COPS7B	6.1	1.0	9.3	1.5	8.85E-05	8.2	1.3	7.59E-02		
UBE2H	23.4	1.0	35.6	1.5	8.72E-05	33.5	1.4	5.47E-01		
C6orf145	5.7	1.0	8.7	1.5	3.71E-02	12.4	2.2	8.09E-02		
PLBD1	10.3	1.0	15.7	1.5	2.32E-03	11.8	1.1	9.50E-02		
IL10RB	2.6	1.0	3.9	1.5	3.18E-02	2.9	1.1	6.94E-02		
NPDC1	16.1	1.0	24.3	1.5	5.12E-03	21.0	1.3	1.43E-01		
SLC16A5	2.8	1.0	4.2	1.5	3.23E-02	3.4	1.2	1.74E-01		
ALKBH6	2.4	1.0	3.6	1.5	9.78E-03	3.1	1.3	1.89E-01		
KLHL13	2.5	1.0	3.8	1.5	8.20E-03	2.7	1.1	7.58E-04	∨	∨
BRF2	2.9	1.0	4.3	1.5	1.32E-04	3.5	1.2	2.17E-02		
FSTL1	53.6	1.0	81.1	1.5	1.26E-03	66.9	1.2	1.24E-01		
METRN	7.3	1.0	11.0	1.5	2.45E-03	10.4	1.4	3.23E-01		
JAK2	6.0	1.0	9.1	1.5	1.40E-02	12.2	2.0	2.60E-01		
ALDH18A1	2.6	1.0	3.9	1.5	1.74E-02	3.1	1.2	2.44E-01		
NDRG1	23.4	1.0	35.4	1.5	3.61E-02	28.1	1.2	2.69E-01		
ZNF83	7.1	1.0	10.7	1.5	2.78E-04	9.8	1.4	3.49E-01		
LMOD2	239.1	1.0	361.1	1.5	2.40E-02	543.1	2.3	9.74E-02		
ZSCAN18	11.0	1.0	16.6	1.5	8.50E-04	14.0	1.3	6.51E-02		
TP53	1.7	1.0	2.5	1.5	2.77E-02	2.0	1.2	2.54E-01		
MYPN	26.8	1.0	40.4	1.5	1.36E-02	42.7	1.6	7.93E-01		
SKI	7.1	1.0	10.7	1.5	1.76E-02	8.1	1.1	1.42E-01		
CKS2	1.4	1.0	2.1	1.5	3.51E-02	2.4	1.8	5.27E-01		
ZNF404	2.3	1.0	3.5	1.5	4.09E-03	3.4	1.5	7.94E-01		
C16orf58	7.8	1.0	11.7	1.5	5.64E-03	10.8	1.4	4.03E-01		
GHDC	1.4	1.0	2.1	1.5	3.39E-02	1.5	1.1	1.07E-01		
SERTAD1	4.0	1.0	6.1	1.5	7.24E-03	8.3	2.1	3.48E-01		
MAP4	77.1	1.0	116.0	1.5	1.35E-03	118.4	1.5	8.85E-01		
HYI	4.4	1.0	6.6	1.5	1.56E-02	6.4	1.5	7.58E-01		
NOTCH2	3.4	1.0	5.1	1.5	1.28E-02	3.9	1.1	2.14E-01		
MOSC1	2.5	1.0	3.7	1.5	4.36E-02	2.7	1.1	2.96E-02	∨	∨
ST6GALNAC4	6.5	1.0	9.8	1.5	5.87E-03	7.8	1.2	6.89E-02		
RNF40	6.4	1.0	9.6	1.5	4.96E-05	7.3	1.1	6.95E-03		
SLC25A5	37.4	1.0	56.1	1.5	5.37E-04	52.0	1.4	1.93E-01		
SEMA3G	4.2	1.0	6.3	1.5	3.20E-03	5.1	1.2	9.06E-02		
ZC3H12A	1.1	1.0	1.7	1.5	2.59E-03	2.0	1.8	4.81E-01		
TK2	2.3	1.0	3.4	1.5	2.92E-03	3.0	1.3	1.96E-01		
BCL2L11	1.4	1.0	2.1	1.5	1.90E-02	2.0	1.5	8.71E-01		
NFKB2	3.2	1.0	4.8	1.5	1.09E-02	4.7	1.5	8.87E-01		
TEF	4.0	1.0	6.0	1.5	3.16E-02	4.3	1.1	7.80E-02		
PPP1R15A	28.5	1.0	42.6	1.5	2.30E-02	45.6	1.6	7.52E-01		
NCDN	5.4	1.0	8.0	1.5	9.03E-04	6.7	1.2	3.84E-02		
DIAPH1	10.0	1.0	15.0	1.5	6.65E-03	14.2	1.4	7.56E-01		
RANBP10	2.5	1.0	3.7	1.5	5.65E-05	3.2	1.3	2.69E-02		
ARAP1	7.4	1.0	11.1	1.5	4.06E-04	8.3	1.1	9.63E-03		∨
PHF19	2.3	1.0	3.5	1.5	2.03E-02	2.9	1.2	2.30E-01		
ZNF467	1.6	1.0	2.4	1.5	2.95E-02	1.5	-1.0	2.44E-02	∨	∨
TRAFD1	5.7	1.0	8.5	1.5	1.03E-03	8.1	1.4	7.23E-01		
GALNT10	2.6	1.0	3.9	1.5	1.23E-02	2.9	1.1	8.87E-02		
RARA	3.5	1.0	5.2	1.5	4.02E-02	4.4	1.2	4.02E-01		
RFX5	3.4	1.0	5.1	1.5	9.15E-04	4.0	1.2	2.46E-02		
APBB3	3.0	1.0	4.5	1.5	3.40E-03	4.6	1.5	7.18E-01		
ATP6AP2	12.9	1.0	19.2	1.5	1.28E-02	14.9	1.2	1.60E-01		
DDIT3	7.8	1.0	11.6	1.5	2.11E-02	10.3	1.3	3.51E-01		
STMN1	12.6	1.0	18.8	1.5	5.09E-03	17.2	1.4	4.08E-01		
R3HDM2	8.6	1.0	12.9	1.5	2.55E-05	11.1	1.3	7.69E-02		
PDGFD	5.5	1.0	8.2	1.5	4.14E-02	7.3	1.3	6.56E-01		
C9orf119	4.4	1.0	6.5	1.5	8.49E-04	5.3	1.2	3.06E-02		
PILRB	6.9	1.0	10.3	1.5	5.16E-03	10.2	1.5	9.32E-01		
ARF4	23.7	1.0	35.3	1.5	2.11E-03	31.0	1.3	3.23E-01		
GNL1	1.6	1.0	2.4	1.5	6.04E-04	2.2	1.3	3.27E-01		
GMDS	1.6	1.0	2.3	1.5	1.02E-02	2.1	1.3	4.90E-01		
HES4	4.7	1.0	7.0	1.5	1.27E-02	8.7	1.8	2.05E-01		
DNTTIP1	5.6	1.0	8.4	1.5	5.83E-03	8.4	1.5	9.92E-01		
KIFAP3	13.1	1.0	19.4	1.5	2.74E-02	14.1	1.1	6.62E-02		
GNB5	1.6	1.0	2.4	1.5	1.58E-02	1.8	1.2	1.83E-01		
PAAF1	3.4	1.0	5.1	1.5	2.98E-03	5.1	1.5	8.95E-01		
SEC31A	20.3	1.0	30.0	1.5	9.80E-06	28.5	1.4	6.34E-01		
SORBS2	130.3	1.0	193.0	1.5	1.08E-02	142.6	1.1	3.88E-02	∨	∨
CHID1	5.4	1.0	8.0	1.5	1.07E-03	6.5	1.2	4.84E-02		
PEX16	2.2	1.0	3.2	1.5	6.53E-05	3.0	1.4	3.74E-01		

NPM3	1.6	1.0	2.4	1.5	1.52E-02	1.9	1.2	8.80E-02		
ITPRIPL2	1.8	1.0	2.7	1.5	3.79E-02	2.2	1.2	3.05E-01		
HMGB2	11.8	1.0	17.5	1.5	2.90E-03	15.9	1.3	3.33E-01		
TRAF2	1.7	1.0	2.6	1.5	1.07E-03	2.3	1.3	3.73E-01		
OGG1	1.8	1.0	2.7	1.5	5.04E-03	2.1	1.2	4.40E-02		
LIMK2	2.8	1.0	4.1	1.5	3.31E-04	3.7	1.3	2.75E-01		
SEMA4C	5.1	1.0	7.5	1.5	1.91E-02	6.1	1.2	1.61E-01		
ACBD4	2.6	1.0	3.9	1.5	2.47E-02	3.2	1.2	2.28E-01		
PRKD2	2.9	1.0	4.3	1.5	1.55E-02	3.9	1.3	4.16E-01		
KCTD2	7.4	1.0	11.0	1.5	7.10E-04	9.4	1.3	1.26E-01		
TMEM80	3.1	1.0	4.6	1.5	3.47E-02	3.5	1.1	1.32E-02		
SLC22A18	2.8	1.0	4.1	1.5	1.38E-02	3.4	1.2	1.29E-01		
CRY2	15.5	1.0	22.9	1.5	3.41E-02	16.8	1.1	5.41E-02		
C1orf198	10.1	1.0	14.8	1.5	4.79E-02	13.9	1.4	7.11E-01		
COQ10B	6.3	1.0	9.3	1.5	2.01E-05	7.1	1.1	1.61E-03		
ABCA3	1.9	1.0	2.8	1.5	2.19E-03	2.1	1.1	3.62E-02	∨	∨
HDAC9	2.7	1.0	4.0	1.5	2.53E-02	4.2	1.5	7.72E-01		
FUBP3	7.6	1.0	11.2	1.5	1.77E-04	9.4	1.2	5.73E-02		
ITPRIP	9.5	1.0	13.9	1.5	2.55E-02	20.0	2.1	3.89E-02		
SLC40A1	10.8	1.0	15.9	1.5	5.29E-03	9.0	-1.2	3.87E-03		
ZNF251	3.5	1.0	5.2	1.5	5.22E-03	5.4	1.5	6.89E-01		
MARCH3	2.6	1.0	3.8	1.5	1.55E-02	3.5	1.3	4.37E-01		
PAFAH2	2.4	1.0	3.6	1.5	2.50E-03	2.7	1.1	4.85E-02		
POLR1E	3.3	1.0	4.8	1.5	1.97E-03	4.3	1.3	3.10E-01		
C8orf76	3.2	1.0	4.8	1.5	2.62E-04	3.6	1.1	2.53E-02		
BLOC1S2	4.0	1.0	5.8	1.5	7.62E-03	4.8	1.2	4.65E-02		
TLE4	1.7	1.0	2.5	1.5	4.99E-03	2.2	1.3	3.26E-01		
FAM177A1	7.1	1.0	10.5	1.5	2.11E-03	9.5	1.3	3.61E-01		
CDC42SE1	6.4	1.0	9.4	1.5	1.24E-03	9.9	1.5	6.92E-01		
CASQ1	10.8	1.0	15.8	1.5	7.78E-03	20.0	1.9	1.65E-01		
RABEPK	3.1	1.0	4.6	1.5	2.34E-03	3.9	1.2	1.08E-01		
DCAKD	3.7	1.0	5.4	1.5	3.33E-04	4.9	1.3	2.67E-01		
LRRC23	2.4	1.0	3.5	1.5	2.17E-02	3.2	1.4	5.37E-01		
MFGE8	127.8	1.0	187.4	1.5	4.61E-02	150.7	1.2	1.91E-01		
MPV17	9.9	1.0	14.5	1.5	1.58E-03	12.4	1.3	2.55E-02		
DYNLT3	5.5	1.0	8.1	1.5	3.58E-02	6.7	1.2	2.99E-01		
LIPE	3.1	1.0	4.6	1.5	3.98E-03	3.8	1.2	1.17E-01		
CYB5R1	46.3	1.0	67.8	1.5	2.23E-04	58.9	1.3	1.03E-01		
CC2D2A	1.7	1.0	2.4	1.5	4.15E-02	1.5	-1.1	7.76E-02		
LRP3	3.8	1.0	5.5	1.5	5.89E-03	4.8	1.3	2.78E-01		
LENG1	4.8	1.0	7.0	1.5	2.30E-03	6.4	1.3	3.59E-01		
CLSTN1	11.5	1.0	16.8	1.5	3.57E-03	12.7	1.1	4.50E-02		
SUMF2	6.6	1.0	9.6	1.5	2.18E-02	7.3	1.1	1.18E-01		
C11orf61	1.5	1.0	2.1	1.5	2.05E-02	2.1	1.4	8.39E-01		
STK19	2.3	1.0	3.3	1.5	3.41E-03	3.0	1.3	1.08E-01		
FAM188A	3.1	1.0	4.5	1.5	3.22E-03	4.0	1.3	2.86E-01		
PKD2	4.7	1.0	6.8	1.5	1.26E-02	5.7	1.2	3.43E-01		
ALDH4A1	8.1	1.0	11.8	1.5	5.87E-03	10.3	1.3	1.72E-01		
C22orf46	4.1	1.0	5.9	1.5	3.54E-03	5.4	1.3	4.33E-01		
PCGF2	3.6	1.0	5.2	1.5	3.43E-02	4.1	1.1	1.06E-01		
SRXN1	2.3	1.0	3.4	1.5	2.46E-03	2.2	-1.0	1.72E-02	∨	∨
ZFYVE21	13.2	1.0	19.3	1.5	6.99E-04	15.8	1.2	2.52E-02		
ASB6	1.8	1.0	2.7	1.5	1.49E-03	2.0	1.1	1.99E-02		
NCKIPSD	6.6	1.0	9.6	1.5	1.90E-02	11.5	1.7	1.64E-01		
KDM5B	1.9	1.0	2.8	1.5	1.79E-03	2.3	1.2	1.35E-01		
ARID5B	4.9	1.0	7.1	1.5	4.06E-02	8.1	1.7	5.41E-01		
IFRD1	5.3	1.0	7.7	1.5	2.66E-02	6.6	1.3	1.45E-01		
ZNF263	2.5	1.0	3.7	1.5	2.57E-04	3.7	1.5	9.64E-01		
MXRA7	120.3	1.0	174.9	1.5	1.14E-02	153.8	1.3	2.11E-01		
SIRPA	5.6	1.0	8.2	1.5	2.23E-02	5.9	1.1	1.29E-01		
STYXL1	2.2	1.0	3.2	1.5	5.89E-03	2.8	1.3	3.47E-01		
VOPP1	5.6	1.0	8.2	1.5	2.81E-02	6.1	1.1	1.04E-01		
ELMOD3	2.7	1.0	3.9	1.5	2.21E-03	3.2	1.2	8.82E-02		
HIST1H2AC	6.2	1.0	9.0	1.5	6.04E-03	7.7	1.2	1.61E-01		
CLTCL1	1.7	1.0	2.5	1.5	8.01E-03	2.3	1.3	3.81E-01		
SIDT2	5.3	1.0	7.7	1.5	9.20E-03	5.9	1.1	8.59E-02		
MAGED2	22.0	1.0	31.9	1.5	5.97E-03	26.0	1.2	6.09E-02		
ZNF580	1.8	1.0	2.6	1.5	1.05E-02	2.4	1.4	7.19E-01		
TRA2A	8.2	1.0	11.9	1.4	3.64E-04	12.8	1.6	3.65E-01		
PRCP	13.4	1.0	19.4	1.4	2.63E-02	14.0	1.0	7.95E-02		
CDC42EP1	6.3	1.0	9.1	1.4	2.77E-02	7.6	1.2	3.70E-01		
PFKL	11.4	1.0	16.5	1.4	4.56E-03	13.4	1.2	1.20E-01		
RDH11	4.6	1.0	6.6	1.4	7.77E-04	5.0	1.1	2.02E-02		
DDX3Y	7.4	1.0	10.7	1.4	1.29E-02	9.5	1.3	1.88E-01		
MAGEH1	4.8	1.0	6.9	1.4	1.29E-02	5.3	1.1	1.37E-01		
RWDD2A	2.0	1.0	2.9	1.4	4.55E-03	2.1	1.1	5.45E-02		
FBXO8	4.5	1.0	6.5	1.4	3.23E-04	5.3	1.2	2.96E-02		
H2AFX	1.8	1.0	2.7	1.4	1.02E-04	2.3	1.2	1.70E-01		
IFFO1	4.8	1.0	6.9	1.4	3.50E-02	5.2	1.1	1.03E-01		
PRKAR2B	5.9	1.0	8.5	1.4	2.08E-02	6.8	1.2	1.24E-01		
PTPRA	7.8	1.0	11.3	1.4	2.22E-02	9.3	1.2	2.54E-01		
B3GAT3	3.7	1.0	5.3	1.4	2.23E-02	4.7	1.3	2.62E-01		
CHPF2	4.2	1.0	6.0	1.4	9.09E-03	4.7	1.1	8.52E-02		
MCL1	29.5	1.0	42.5	1.4	1.42E-02	57.4	1.9	2.17E-01		

MDFIC	3.4	1.0	5.0	1.4	5.96E-03	4.3	1.2	3.10E-01		
ADCY6	24.3	1.0	35.0	1.4	1.87E-03	26.8	1.1	2.08E-02		
GATA6	14.1	1.0	20.4	1.4	1.05E-02	18.8	1.3	4.86E-01		
DSE	2.5	1.0	3.7	1.4	4.79E-02	2.9	1.1	2.39E-01		
C1orf35	2.0	1.0	2.9	1.4	6.07E-04	2.8	1.4	5.78E-01		
PKD1	11.1	1.0	15.9	1.4	1.70E-03	11.9	1.1	4.73E-02	V	V
HMGN4	6.0	1.0	8.6	1.4	3.30E-04	6.7	1.1	3.15E-02		
GRINL1A	6.4	1.0	9.2	1.4	7.52E-04	8.3	1.3	4.47E-01		
C10orf57	2.3	1.0	3.3	1.4	2.52E-03	2.3	1.0	4.51E-03	V	V
MED17	3.3	1.0	4.7	1.4	4.41E-08	4.3	1.3	8.69E-02		
FAM69A	1.6	1.0	2.2	1.4	4.08E-02	1.5	-1.0	3.87E-02	V	V
AMPD2	2.1	1.0	3.0	1.4	3.16E-02	2.8	1.4	7.35E-01		
CSTF3	3.8	1.0	5.5	1.4	2.58E-03	4.9	1.3	3.87E-01		
ZCCHC7	1.8	1.0	2.5	1.4	3.26E-02	2.2	1.2	4.60E-01		
PPCS	10.5	1.0	15.0	1.4	9.60E-05	11.8	1.1	3.33E-02		
ARHGEF3	3.8	1.0	5.4	1.4	9.51E-04	4.2	1.1	1.15E-01		
DUSP26	24.9	1.0	35.7	1.4	4.10E-04	29.2	1.2	8.56E-03		
RCC2	2.5	1.0	3.6	1.4	1.75E-03	3.3	1.3	4.35E-01		
CYTH2	3.6	1.0	5.1	1.4	3.83E-03	4.6	1.3	4.14E-01		
TM7SF3	3.2	1.0	4.6	1.4	4.60E-03	3.6	1.1	8.17E-02		
CSRNP2	4.1	1.0	5.9	1.4	4.88E-05	5.3	1.3	6.83E-02		
LPXN	1.5	1.0	2.1	1.4	3.63E-02	1.9	1.3	3.71E-01		
ARHGAP17	8.9	1.0	12.7	1.4	6.11E-06	12.6	1.4	9.24E-01		
SLC1A4	2.1	1.0	3.0	1.4	4.55E-02	2.1	-1.0	1.50E-02	V	V
ING4	6.2	1.0	8.8	1.4	6.21E-03	8.1	1.3	2.71E-01		
MAPK12	3.5	1.0	5.0	1.4	3.30E-02	4.5	1.3	3.60E-01		
ITGB5	19.0	1.0	27.2	1.4	4.39E-02	19.8	1.0	1.48E-01		
WBP1	14.1	1.0	20.1	1.4	4.18E-03	19.2	1.4	3.99E-01		
TRAPPC6A	2.9	1.0	4.1	1.4	1.18E-02	3.9	1.4	5.11E-01		
SLC3A2	7.2	1.0	10.2	1.4	3.65E-02	8.8	1.2	2.83E-01		
LETMD1	4.8	1.0	6.8	1.4	2.22E-02	5.8	1.2	1.36E-01		
C17orf59	2.8	1.0	4.0	1.4	2.94E-03	2.9	1.0	2.65E-03	V	V
CLIP2	1.8	1.0	2.6	1.4	4.24E-02	2.2	1.2	4.01E-01		
DNAJB1	11.3	1.0	16.1	1.4	1.84E-03	20.0	1.8	3.62E-01		
C2CD2L	2.3	1.0	3.3	1.4	2.82E-06	2.4	1.0	1.51E-03	V	V
RECK	1.8	1.0	2.6	1.4	2.59E-02	2.3	1.2	5.23E-01		
C10orf71	18.2	1.0	25.9	1.4	2.31E-03	23.4	1.3	4.07E-01		
USP20	2.8	1.0	3.9	1.4	4.54E-04	3.7	1.4	5.85E-01		
ARMC10	4.4	1.0	6.2	1.4	4.42E-04	5.2	1.2	6.71E-02		
C16orf62	4.4	1.0	6.3	1.4	8.50E-05	5.4	1.2	1.07E-01		
BTG3	2.0	1.0	2.8	1.4	3.40E-02	3.5	1.8	4.09E-01		
CHMP5	13.4	1.0	19.0	1.4	2.28E-04	16.5	1.2	2.17E-01		
PPAPDC1B	2.4	1.0	3.4	1.4	1.59E-02	3.2	1.3	6.73E-01		
PAPSS1	3.1	1.0	4.5	1.4	8.19E-03	3.9	1.2	3.78E-01		
PLCD1	2.4	1.0	3.3	1.4	2.09E-02	2.4	1.0	5.12E-02		
NAAA	3.0	1.0	4.3	1.4	6.49E-03	3.2	1.0	9.60E-03	V	V
MYLIP	3.8	1.0	5.4	1.4	4.85E-02	5.2	1.4	7.66E-01		
MAN1B1	6.4	1.0	9.1	1.4	3.00E-03	7.7	1.2	1.09E-01		
TTC5	1.7	1.0	2.4	1.4	3.00E-03	2.3	1.3	4.75E-01		
VASH1	4.5	1.0	6.3	1.4	4.91E-02	5.0	1.1	2.28E-01		
UNC45A	5.0	1.0	7.0	1.4	1.11E-03	6.0	1.2	9.08E-02		
PDE3B	1.7	1.0	2.5	1.4	3.87E-03	1.7	1.0	7.28E-03	V	V
ZDHHC14	2.4	1.0	3.4	1.4	1.77E-02	4.3	1.8	1.91E-01		
USP22	19.9	1.0	28.2	1.4	4.29E-07	22.6	1.1	3.42E-02		
PHF15	3.3	1.0	4.7	1.4	3.24E-03	3.3	-1.0	3.72E-02	V	V
SNRK	5.5	1.0	7.8	1.4	3.53E-02	6.3	1.1	1.42E-01		
KLHL12	5.5	1.0	7.8	1.4	2.80E-05	6.8	1.2	6.52E-02		
DPM2	2.9	1.0	4.1	1.4	3.12E-02	4.2	1.4	8.70E-01		
KIF13A	15.9	1.0	22.5	1.4	1.32E-02	18.4	1.2	7.46E-02		
TXNRD1	16.5	1.0	23.4	1.4	1.90E-02	19.5	1.2	3.19E-01		
GLS	4.9	1.0	6.9	1.4	2.34E-03	5.0	1.0	4.17E-02	V	V
ANKH	11.8	1.0	16.7	1.4	1.39E-03	14.5	1.2	5.70E-02		
MGAT2	3.4	1.0	4.7	1.4	7.99E-04	3.7	1.1	4.21E-02		
SCARB1	2.8	1.0	3.9	1.4	1.82E-02	2.7	-1.0	5.08E-02		
FILIP1L	17.5	1.0	24.7	1.4	3.27E-02	22.9	1.3	4.97E-01		
TDRD7	2.2	1.0	3.2	1.4	3.32E-03	2.3	1.0	1.12E-02	V	V
FRMD8	2.3	1.0	3.2	1.4	8.32E-03	3.7	1.6	1.44E-01		
GPRC5C	5.1	1.0	7.2	1.4	2.01E-03	5.3	1.0	1.72E-03	V	V
DNAJB4	17.7	1.0	24.9	1.4	3.28E-03	19.4	1.1	5.73E-02		
PDGFC	2.5	1.0	3.5	1.4	2.21E-03	2.8	1.1	1.40E-01		
ZMAT1	3.4	1.0	4.7	1.4	1.89E-03	5.0	1.5	6.65E-01		
TSSC1	2.9	1.0	4.1	1.4	1.49E-02	3.5	1.2	2.30E-01		
TUT1	2.7	1.0	3.9	1.4	3.76E-04	3.7	1.3	5.00E-01		
LEPRE1	2.5	1.0	3.5	1.4	2.91E-02	3.3	1.4	8.21E-01		
NEK3	2.0	1.0	2.8	1.4	1.46E-02	2.2	1.1	2.46E-02		
TMEM9	6.4	1.0	9.0	1.4	1.95E-02	7.0	1.1	8.48E-02		
FZD1	4.7	1.0	6.6	1.4	3.44E-02	5.4	1.2	1.25E-01		
UTP3	4.6	1.0	6.4	1.4	1.27E-04	5.4	1.2	1.77E-01		
NEIL2	2.6	1.0	3.7	1.4	1.58E-02	3.0	1.1	1.14E-01		
ZNF259	5.3	1.0	7.5	1.4	2.14E-03	7.0	1.3	4.64E-01		
DHRS1	2.2	1.0	3.1	1.4	9.54E-03	2.9	1.3	6.29E-01		
SH3BGR	37.0	1.0	52.0	1.4	2.16E-02	56.1	1.5	7.19E-01		
C19orf25	2.4	1.0	3.4	1.4	4.89E-04	3.2	1.3	5.25E-01		

SMS	13.1	1.0	18.5	1.4	1.20E-03	15.0	1.1	3.26E-02		
GPRASP2	3.0	1.0	4.3	1.4	3.60E-03	3.3	1.1	2.62E-03		
TMED9	21.2	1.0	29.8	1.4	2.31E-04	24.0	1.1	2.45E-02		
PPID	10.3	1.0	14.5	1.4	8.68E-05	11.6	1.1	5.66E-02		
C5orf32	26.0	1.0	36.5	1.4	1.35E-02	32.5	1.3	2.65E-01		
BDH2	4.2	1.0	5.9	1.4	1.18E-02	5.5	1.3	5.76E-01		
YPEL1	1.9	1.0	2.6	1.4	1.38E-02	2.5	1.4	7.88E-01		
HSP90AB1	177.8	1.0	249.6	1.4	4.56E-04	217.1	1.2	2.00E-01		
IRF2	5.0	1.0	7.0	1.4	4.30E-04	5.3	1.1	8.61E-03		
CDK10	5.2	1.0	7.2	1.4	2.29E-03	7.1	1.4	8.17E-01		
TRUB1	3.7	1.0	5.2	1.4	2.66E-03	5.5	1.5	5.92E-01		
TXNDC5	13.3	1.0	18.7	1.4	2.27E-02	14.7	1.1	2.45E-01		
SRSF9	6.2	1.0	8.6	1.4	1.16E-02	7.4	1.2	2.57E-01		
SS18L2	1.5	1.0	2.0	1.4	5.03E-04	1.9	1.3	6.01E-01		
GTF2B	3.9	1.0	5.4	1.4	1.31E-04	5.2	1.4	7.44E-01		
HIVEP2	3.1	1.0	4.4	1.4	1.91E-02	3.2	1.0	1.62E-02	v	v
DDX50	5.6	1.0	7.8	1.4	5.03E-04	6.5	1.2	8.87E-02		
C11orf24	7.1	1.0	9.9	1.4	3.22E-02	8.6	1.2	3.73E-01		
C6orf70	2.3	1.0	3.3	1.4	7.27E-03	3.0	1.3	2.94E-01		
TRIM45	3.0	1.0	4.2	1.4	1.53E-02	3.9	1.3	5.25E-01		
IFIT5	2.2	1.0	3.1	1.4	4.22E-02	2.3	1.1	1.36E-01		
ZFYVE27	3.5	1.0	4.9	1.4	1.90E-03	4.9	1.4	9.52E-01		
SCAND1	8.7	1.0	12.1	1.4	1.46E-02	11.3	1.3	2.04E-01		
MAP7D3	4.0	1.0	5.5	1.4	9.30E-04	4.4	1.1	4.89E-02		
ABHD11	3.9	1.0	5.5	1.4	2.97E-03	5.0	1.3	4.68E-01		
TMEM208	3.4	1.0	4.8	1.4	2.03E-02	4.3	1.3	3.53E-01		
PTP4A1	5.9	1.0	8.2	1.4	2.56E-02	8.9	1.5	6.03E-01		
PTPN21	6.5	1.0	9.0	1.4	4.38E-03	7.4	1.1	2.10E-01		
KLHDC4	2.1	1.0	2.9	1.4	5.05E-03	2.5	1.2	1.50E-01		
TBL1X	2.2	1.0	3.0	1.4	2.05E-02	2.5	1.2	1.97E-01		
OTUD5	7.7	1.0	10.8	1.4	7.40E-03	10.1	1.3	4.92E-01		
HIRA	4.2	1.0	5.8	1.4	2.87E-05	4.7	1.1	3.34E-02		
PCSK5	1.1	1.0	1.6	1.4	8.67E-03	1.1	-1.0	6.50E-02		
SIRT7	1.7	1.0	2.4	1.4	5.82E-03	2.4	1.4	8.93E-01		
ANAPC10	3.2	1.0	4.5	1.4	2.07E-03	4.0	1.2	4.00E-01		
ACTR6	4.6	1.0	6.4	1.4	1.03E-07	5.0	1.1	4.06E-03		
CBY1	13.4	1.0	18.7	1.4	1.75E-04	17.1	1.3	2.58E-01		
NPRL3	4.5	1.0	6.2	1.4	4.56E-03	5.5	1.2	1.47E-01		
CRELD1	15.5	1.0	21.5	1.4	7.71E-04	17.2	1.1	1.54E-02		
SEPT2	44.1	1.0	61.4	1.4	6.57E-03	53.0	1.2	7.87E-02		
GRB10	6.5	1.0	9.0	1.4	5.33E-04	8.4	1.3	3.53E-01		
C6orf62	12.3	1.0	17.1	1.4	6.92E-03	13.5	1.1	1.32E-02		
LMNA	48.7	1.0	67.7	1.4	6.94E-03	51.6	1.1	5.79E-02		
ARAP3	4.1	1.0	5.6	1.4	2.29E-03	5.4	1.3	6.68E-01		
ARMCX2	5.1	1.0	7.1	1.4	4.36E-03	5.9	1.1	6.01E-02		
C20orf3	9.6	1.0	13.4	1.4	1.40E-04	10.7	1.1	2.52E-02		
FANCL	1.9	1.0	2.6	1.4	5.96E-03	2.4	1.3	4.02E-01		
AGPAT1	15.0	1.0	20.9	1.4	1.23E-04	16.8	1.1	2.75E-02		
SLC23A2	2.2	1.0	3.1	1.4	2.72E-02	2.7	1.2	3.90E-01		
XPR1	9.2	1.0	12.8	1.4	2.54E-02	11.1	1.2	3.55E-01		
LMAN2L	5.3	1.0	7.3	1.4	3.53E-04	6.4	1.2	1.29E-01		
PTPLAD1	2.5	1.0	3.5	1.4	3.27E-02	2.6	1.0	7.32E-02		
PPP1R9B	5.5	1.0	7.7	1.4	3.89E-02	5.5	1.0	5.92E-02		
CLK1	21.7	1.0	30.1	1.4	8.85E-03	37.1	1.7	2.19E-01		
C7orf58	4.0	1.0	5.6	1.4	2.46E-02	4.8	1.2	3.96E-01		
PIGQ	3.7	1.0	5.2	1.4	3.87E-03	4.4	1.2	7.69E-02		
KCTD13	1.9	1.0	2.6	1.4	1.53E-03	2.8	1.4	6.07E-01		
SYT11	3.8	1.0	5.2	1.4	2.63E-02	3.7	-1.0	7.18E-02		
MYCBP	1.8	1.0	2.5	1.4	2.14E-02	2.1	1.2	2.54E-01		
KAT2A	8.9	1.0	12.4	1.4	1.54E-02	11.9	1.3	6.14E-01		
C17orf103	3.6	1.0	5.0	1.4	6.53E-04	3.9	1.1	2.34E-02		
GBA	4.9	1.0	6.8	1.4	3.62E-02	5.7	1.2	3.08E-01		
CCDC159	4.6	1.0	6.3	1.4	7.42E-04	5.8	1.3	1.77E-01		
GALNTL4	5.3	1.0	7.4	1.4	8.20E-05	6.2	1.2	2.22E-02		
CDC14B	4.3	1.0	5.9	1.4	2.41E-03	4.6	1.1	1.78E-02		
TRIM26	3.9	1.0	5.4	1.4	2.32E-03	4.7	1.2	2.32E-01		
PDCD6	10.9	1.0	15.0	1.4	3.12E-03	13.7	1.3	3.10E-01		
SGSH	2.9	1.0	4.0	1.4	2.75E-02	3.3	1.2	2.11E-01		
KDSR	2.9	1.0	4.0	1.4	2.86E-03	3.3	1.1	5.93E-02		
ADAMTSL5	4.8	1.0	6.6	1.4	4.58E-02	7.3	1.5	4.58E-01		
TRADD	1.8	1.0	2.5	1.4	3.03E-02	2.5	1.4	9.63E-01		
TSPYL1	9.9	1.0	13.6	1.4	7.99E-05	11.6	1.2	2.84E-02		
NSMCE1	9.6	1.0	13.3	1.4	4.82E-03	11.2	1.2	2.87E-02		
RAB2B	2.9	1.0	4.0	1.4	3.59E-03	4.1	1.4	9.27E-01		
ZBTB22	3.8	1.0	5.2	1.4	7.87E-03	4.2	1.1	1.09E-01		
NME3	6.3	1.0	8.7	1.4	3.04E-02	7.3	1.2	1.57E-01		
ANXA5	55.6	1.0	76.7	1.4	4.56E-02	71.0	1.3	6.70E-01		
TSEN34	3.4	1.0	4.7	1.4	1.54E-02	4.3	1.3	4.49E-01		
DNAJA1	26.3	1.0	36.2	1.4	9.17E-03	33.3	1.3	5.18E-01		
SVIL	69.1	1.0	95.3	1.4	2.68E-03	84.5	1.2	2.68E-01		
CDKN2AIP	3.1	1.0	4.3	1.4	1.79E-03	3.2	1.0	7.52E-03	v	v
MNAT1	4.8	1.0	6.6	1.4	1.10E-04	5.7	1.2	4.56E-02		
ZRSR2	3.6	1.0	4.9	1.4	1.28E-02	4.6	1.3	4.47E-01		
WWTR1	7.4	1.0	10.2	1.4	5.88E-03	7.9	1.1	3.12E-02		

NFASC	3.3	1.0	4.5	1.4	3.14E-02	4.5	1.4	9.04E-01		
SAMD4B	6.3	1.0	8.7	1.4	2.02E-03	7.4	1.2	1.75E-01		
RAB20	3.5	1.0	4.9	1.4	2.25E-02	6.8	1.9	1.14E-01		
SLC16A3	2.0	1.0	2.8	1.4	2.00E-02	2.0	1.0	1.27E-01		
JOSD1	5.8	1.0	8.0	1.4	5.99E-03	7.3	1.3	3.74E-01		
DDX39B	36.2	1.0	49.8	1.4	6.91E-06	50.6	1.4	8.09E-01		
INSIG1	2.8	1.0	3.9	1.4	1.36E-02	4.0	1.4	8.02E-01		
PLCG1	9.9	1.0	13.7	1.4	4.35E-03	13.1	1.3	7.05E-01		
ERCC5	2.8	1.0	3.8	1.4	4.80E-02	3.7	1.3	8.17E-01		
NUP188	3.8	1.0	5.2	1.4	7.27E-03	5.2	1.4	9.54E-01		
RAB11FIP3	7.4	1.0	10.2	1.4	4.68E-03	9.1	1.2	2.02E-01		
CLUAP1	4.4	1.0	6.1	1.4	1.28E-03	4.6	1.0	4.46E-03	v	v
TMEM39B	1.7	1.0	2.3	1.4	3.94E-02	2.0	1.2	3.13E-01		
FAM120AOS	2.8	1.0	3.8	1.4	3.84E-04	3.0	1.1	5.61E-02		
CWC22	2.8	1.0	3.9	1.4	1.60E-03	3.5	1.2	2.12E-01		
GABPB2	2.1	1.0	2.9	1.4	1.08E-04	2.3	1.1	3.34E-02		
PES1	4.4	1.0	6.0	1.4	2.50E-02	5.8	1.3	8.35E-01		
POGZ	7.9	1.0	10.8	1.4	8.75E-04	9.5	1.2	1.00E-01		
MBIP	3.2	1.0	4.4	1.4	9.70E-03	3.7	1.1	1.46E-01		
PELP1	4.8	1.0	6.6	1.4	1.30E-03	6.4	1.3	6.29E-01		
PYGO2	3.7	1.0	5.0	1.4	2.28E-02	4.3	1.2	1.71E-01		
BTBD10	4.8	1.0	6.6	1.4	2.95E-04	5.7	1.2	2.38E-01		
NDN	6.8	1.0	9.4	1.4	1.48E-02	8.9	1.3	4.53E-01		
DYNC1LI2	16.8	1.0	23.1	1.4	1.80E-03	19.7	1.2	1.50E-01		
GPR137	4.0	1.0	5.5	1.4	6.11E-03	4.2	1.1	5.84E-02		
FLYWCH1	5.0	1.0	6.8	1.4	1.49E-02	5.5	1.1	2.39E-02		
UBAC2	7.5	1.0	10.2	1.4	1.56E-03	9.4	1.3	4.67E-01		
EFNA5	2.2	1.0	3.0	1.4	3.14E-02	2.9	1.3	8.77E-01		
C7orf43	1.9	1.0	2.7	1.4	3.64E-02	2.3	1.2	1.30E-01		
TMEM87A	5.9	1.0	8.0	1.4	1.72E-02	7.0	1.2	3.50E-01		
BTD	2.0	1.0	2.8	1.4	2.01E-02	2.5	1.2	3.89E-01		
RBM4B	3.3	1.0	4.5	1.4	3.79E-03	3.7	1.1	1.46E-01		
TMEM8B	3.5	1.0	4.8	1.4	1.13E-04	4.0	1.1	1.34E-02		
FAM122B	4.2	1.0	5.7	1.4	2.76E-06	4.8	1.1	1.35E-02		
GNPDA1	5.3	1.0	7.2	1.4	1.65E-03	5.9	1.1	3.92E-02		
KDM5D	6.3	1.0	8.6	1.4	4.42E-02	7.8	1.2	2.05E-01		
DNAL4	2.8	1.0	3.8	1.4	9.44E-03	3.5	1.2	5.22E-01		
UBB	363.8	1.0	497.0	1.4	2.32E-05	447.8	1.2	2.38E-01		
MEF2D	12.0	1.0	16.4	1.4	4.72E-05	13.7	1.1	1.85E-02		
INO80E	6.7	1.0	9.2	1.4	1.22E-02	9.5	1.4	7.80E-01		
EIF6	10.8	1.0	14.7	1.4	6.57E-03	13.9	1.3	5.09E-01		
DUSP16	2.4	1.0	3.3	1.4	3.49E-04	2.7	1.1	1.29E-01		
DPM1	15.0	1.0	20.4	1.4	8.54E-04	18.8	1.3	3.86E-01		
UTP18	2.0	1.0	2.8	1.4	8.64E-03	2.5	1.2	4.16E-01		
YIPF2	4.1	1.0	5.6	1.4	3.17E-02	5.3	1.3	6.14E-01		
FUS	9.5	1.0	13.0	1.4	1.23E-03	12.1	1.3	2.75E-01		
PTCD2	3.4	1.0	4.6	1.4	2.05E-02	3.5	1.0	2.65E-02		
MBOAT7	2.3	1.0	3.2	1.4	3.66E-02	2.7	1.2	2.88E-01		
HMGN1	17.2	1.0	23.5	1.4	2.61E-03	21.9	1.3	5.15E-01		
PLEKHA2	5.2	1.0	7.1	1.4	2.02E-02	6.0	1.2	1.84E-01		
SBNO2	3.0	1.0	4.1	1.4	2.82E-02	4.0	1.3	8.92E-01		
MNT	1.7	1.0	2.4	1.4	1.60E-02	1.7	-1.0	3.27E-02	v	v
ARL16	3.2	1.0	4.3	1.4	3.18E-03	3.4	1.1	1.12E-02		
POFUT2	3.8	1.0	5.1	1.4	2.90E-04	5.1	1.4	9.41E-01		
TMEM90B	6.8	1.0	9.2	1.4	2.07E-02	8.0	1.2	1.72E-01		
INTS3	10.6	1.0	14.4	1.4	1.89E-03	13.6	1.3	3.95E-01		
SPR	11.9	1.0	16.2	1.4	2.07E-03	12.4	1.0	1.71E-02		
C17orf28	2.6	1.0	3.6	1.4	3.85E-02	3.7	1.4	7.29E-01		
SLC25A1	4.9	1.0	6.7	1.4	1.79E-02	5.7	1.2	9.75E-02		
CCNL2	19.7	1.0	26.9	1.4	3.04E-03	25.1	1.3	2.68E-01		
TDP2	7.5	1.0	10.2	1.4	1.63E-04	7.9	1.1	8.41E-03		
ZMAT2	10.1	1.0	13.7	1.4	7.78E-04	11.9	1.2	1.23E-01		
RAB11FIP5	4.3	1.0	5.9	1.4	3.36E-03	5.0	1.2	2.41E-01		
GABARAPL1	115.2	1.0	156.8	1.4	1.22E-02	132.5	1.2	1.60E-01		
PLXNB2	9.0	1.0	12.2	1.4	3.63E-02	9.8	1.1	1.77E-01		
PI4K2A	4.3	1.0	5.9	1.4	2.64E-05	5.3	1.2	2.10E-01		
PPP4C	9.1	1.0	12.4	1.4	2.07E-05	11.1	1.2	1.95E-01		
LPCAT1	2.8	1.0	3.9	1.4	4.59E-02	2.9	1.0	1.10E-01		
ATP8B1	1.5	1.0	2.1	1.4	4.95E-02	1.7	1.1	3.47E-01		
C11orf49	4.0	1.0	5.5	1.4	5.49E-03	4.8	1.2	1.74E-01		
ALDH1B1	2.3	1.0	3.2	1.4	2.18E-02	2.9	1.2	3.85E-01		
FBXL12	2.3	1.0	3.2	1.4	3.94E-03	3.6	1.5	1.16E-01		
C5orf4	9.6	1.0	13.0	1.4	4.90E-02	10.9	1.1	2.74E-01		
CSGALNACT2	3.0	1.0	4.1	1.4	2.23E-03	3.7	1.3	5.03E-01		
RNF146	14.5	1.0	19.7	1.4	2.92E-03	22.0	1.5	3.83E-01		
KIAA0930	2.1	1.0	2.9	1.4	4.22E-02	2.1	-1.0	1.21E-01		
SGSM2	6.4	1.0	8.7	1.4	9.47E-04	7.9	1.2	1.29E-01		
LOC440104	2.3	1.0	3.2	1.4	2.53E-02	3.2	1.4	9.97E-01		
CRYZ	8.3	1.0	11.3	1.4	3.11E-02	12.0	1.4	5.52E-01		
KCTD6	2.4	1.0	3.2	1.4	1.37E-02	2.9	1.2	2.40E-01		
ARVCF	3.5	1.0	4.7	1.4	4.20E-02	4.8	1.4	8.92E-01		
HAUS7	2.8	1.0	3.8	1.4	2.10E-02	3.1	1.1	1.54E-01		
BPHL	3.3	1.0	4.5	1.4	2.52E-02	3.6	1.1	1.06E-01		
ASCC2	7.9	1.0	10.7	1.4	2.34E-03	9.7	1.2	1.10E-01		

ZNF277	2.7	1.0	3.7	1.4	5.44E-04	2.8	1.0	5.00E-03		
C19orf63	25.1	1.0	34.0	1.4	3.31E-02	27.3	1.1	4.14E-03		
POLR2G	11.7	1.0	15.9	1.4	4.03E-03	13.6	1.2	6.65E-02		
FXYD1	103.5	1.0	140.4	1.4	7.03E-03	138.6	1.3	7.94E-01		
IRF2BP2	12.7	1.0	17.2	1.4	1.52E-02	16.8	1.3	8.82E-01		
TTLL1	2.7	1.0	3.7	1.4	1.26E-03	3.6	1.3	6.54E-01		
HSPB8	90.4	1.0	122.6	1.4	1.54E-04	122.6	1.4	9.97E-01		
KIAA0226	2.7	1.0	3.6	1.4	2.53E-03	3.4	1.3	4.97E-01		
ZNF830	2.8	1.0	3.8	1.4	1.01E-03	3.7	1.3	7.12E-01		
B4GALT2	7.4	1.0	10.0	1.4	3.54E-02	8.4	1.1	2.41E-01		
HSD17B12	13.5	1.0	18.3	1.4	2.17E-02	13.7	1.0	8.59E-03	V	V
USP5	10.6	1.0	14.4	1.4	7.57E-04	11.6	1.1	4.45E-02		
ANP32A	19.9	1.0	27.0	1.4	2.41E-05	22.3	1.1	5.57E-03		
CHIC2	2.0	1.0	2.7	1.4	3.61E-02	3.0	1.5	3.53E-01		
GLRX	24.6	1.0	33.4	1.4	3.25E-03	27.4	1.1	3.16E-02		
PSMD10	5.1	1.0	6.9	1.4	1.96E-03	5.6	1.1	8.21E-02		
GUK1	49.0	1.0	66.3	1.4	1.57E-03	56.8	1.2	4.24E-02		
SMARCE1	20.1	1.0	27.2	1.4	3.56E-04	23.2	1.2	8.35E-02		
NIPSNAP1	7.0	1.0	9.4	1.4	3.09E-02	7.2	1.0	5.69E-03		
SLC44A2	19.2	1.0	26.0	1.4	3.44E-03	19.7	1.0	1.13E-02		
METTL23	4.8	1.0	6.5	1.4	2.41E-02	5.2	1.1	4.68E-02		
FBXO31	8.4	1.0	11.4	1.4	8.01E-04	11.1	1.3	7.44E-01		
RAP1B	13.2	1.0	17.8	1.4	3.26E-02	15.4	1.2	3.65E-01		
NFATC1	2.8	1.0	3.8	1.4	2.27E-02	2.9	1.0	1.35E-02		
WLS	16.3	1.0	22.0	1.4	1.10E-03	18.2	1.1	1.18E-02		
HPRT1	6.6	1.0	8.9	1.4	6.75E-04	7.6	1.2	1.04E-01		
CCDC90B	6.5	1.0	8.8	1.4	7.08E-04	7.5	1.2	1.67E-01		
THAP3	3.2	1.0	4.4	1.4	1.41E-02	3.6	1.1	2.98E-02		
PPT2	5.7	1.0	7.7	1.4	2.39E-04	5.8	1.0	2.19E-03	V	V
PIK3C2B	2.7	1.0	3.7	1.4	2.70E-02	2.5	-1.1	2.78E-02	V	V
ERCC3	7.3	1.0	9.8	1.4	1.68E-05	8.5	1.2	5.90E-02		
RNH1	34.6	1.0	46.7	1.3	1.29E-02	38.0	1.1	6.76E-02		
SMG5	19.2	1.0	26.0	1.3	2.70E-03	22.3	1.2	1.78E-01		
ISG20L2	3.1	1.0	4.2	1.3	1.14E-03	3.8	1.2	3.55E-01		
RAB8A	4.2	1.0	5.7	1.3	4.07E-02	5.1	1.2	4.91E-01		
GFOD2	1.6	1.0	2.2	1.3	1.68E-02	1.9	1.2	2.72E-01		
KRI1	3.2	1.0	4.3	1.3	1.06E-03	3.8	1.2	1.49E-01		
NME7	2.3	1.0	3.1	1.3	1.25E-02	2.2	-1.0	6.54E-02		
TMEM50A	12.9	1.0	17.4	1.3	3.10E-03	15.1	1.2	1.68E-01		
UNC50	7.8	1.0	10.5	1.3	5.63E-04	8.3	1.1	1.42E-02		
ST6GALNAC6	12.9	1.0	17.4	1.3	2.23E-02	13.2	1.0	8.46E-02		
CCDC82	3.3	1.0	4.5	1.3	4.81E-03	3.8	1.1	5.62E-02		
ARSA	3.3	1.0	4.4	1.3	1.77E-02	3.8	1.1	1.65E-01		
DCBLD2	6.0	1.0	8.0	1.3	2.37E-02	7.5	1.3	6.71E-01		
NTN4	20.3	1.0	27.3	1.3	4.70E-03	19.1	-1.1	5.95E-03	V	V
CAMLG	4.3	1.0	5.9	1.3	1.81E-02	4.8	1.1	1.02E-01		
C1orf122	6.7	1.0	9.0	1.3	4.77E-02	7.9	1.2	1.75E-01		
C16orf53	2.8	1.0	3.8	1.3	2.37E-02	3.4	1.2	3.42E-01		
SEPT15	14.5	1.0	19.5	1.3	3.69E-02	16.9	1.2	3.32E-01		
MPHOSPH8	9.4	1.0	12.6	1.3	1.70E-04	10.5	1.1	1.49E-02		
GLG1	10.5	1.0	14.1	1.3	6.73E-04	11.3	1.1	7.93E-02		
DAXX	4.6	1.0	6.2	1.3	7.64E-03	5.2	1.1	1.48E-01		
C10orf76	10.1	1.0	13.6	1.3	4.08E-03	13.8	1.4	8.44E-01		
NAT9	3.3	1.0	4.4	1.3	1.83E-02	4.2	1.3	5.61E-01		
TNRC18	3.7	1.0	5.0	1.3	4.47E-02	3.6	-1.0	5.59E-02		
NCAPH2	5.4	1.0	7.3	1.3	2.16E-03	6.9	1.3	5.16E-01		
TERF2	3.3	1.0	4.4	1.3	7.71E-04	3.7	1.1	1.40E-01		
HEY1	4.5	1.0	6.1	1.3	2.03E-02	7.0	1.6	2.35E-01		
TBCK	1.8	1.0	2.5	1.3	1.70E-02	2.3	1.2	5.69E-01		
C1orf131	2.3	1.0	3.0	1.3	9.72E-03	2.5	1.1	5.14E-02		
CNNM3	1.8	1.0	2.4	1.3	2.91E-02	1.9	1.1	1.79E-02		
NAT6	2.8	1.0	3.8	1.3	6.77E-03	3.5	1.2	4.96E-01		
FAM82A2	4.8	1.0	6.4	1.3	1.92E-03	5.8	1.2	2.38E-01		
MTMR3	4.8	1.0	6.5	1.3	4.93E-03	5.6	1.2	1.67E-01		
ZNF323	1.4	1.0	1.9	1.3	7.55E-03	1.5	1.1	1.54E-01		
RING1	8.9	1.0	12.0	1.3	5.32E-03	11.0	1.2	3.55E-01		
PAK4	2.8	1.0	3.7	1.3	2.62E-04	3.4	1.2	2.37E-01		
TSPAN3	14.8	1.0	19.9	1.3	3.01E-03	17.8	1.2	1.54E-01		
SSBP2	8.5	1.0	11.4	1.3	1.63E-02	10.2	1.2	3.16E-01		
FRS3	2.3	1.0	3.1	1.3	1.02E-02	2.9	1.3	3.73E-01		
BRD8	7.6	1.0	10.2	1.3	2.63E-03	9.8	1.3	5.35E-01		
RHOBTB1	4.1	1.0	5.5	1.3	3.85E-02	5.0	1.2	5.05E-01		
ARL15	3.2	1.0	4.2	1.3	1.40E-03	4.1	1.3	8.21E-01		
FLT4	1.8	1.0	2.4	1.3	1.46E-02	2.5	1.4	8.66E-01		
BIN3	3.0	1.0	4.0	1.3	5.09E-03	3.3	1.1	6.11E-02		
GEMIN8	1.8	1.0	2.4	1.3	1.46E-02	2.4	1.3	9.68E-01		
ATP6V1B2	11.4	1.0	15.2	1.3	5.73E-06	12.8	1.1	5.15E-03		
ARHGEF2	8.0	1.0	10.7	1.3	2.63E-02	8.2	1.0	8.04E-02		
BTG1	8.1	1.0	10.8	1.3	3.92E-02	9.9	1.2	3.97E-01		
BCOR	3.3	1.0	4.4	1.3	3.46E-03	3.2	-1.0	6.98E-03	V	V
SOCS7	2.2	1.0	2.9	1.3	3.51E-04	2.5	1.1	5.27E-02		
TOR3A	2.9	1.0	3.9	1.3	2.44E-02	3.2	1.1	1.12E-01		
C8orf41	1.9	1.0	2.5	1.3	1.55E-03	2.2	1.2	2.80E-01		
EML4	1.7	1.0	2.3	1.3	1.49E-02	2.0	1.2	4.17E-01		

PLD3	28.9	1.0	38.8	1.3	2.58E-02	32.3	1.1	1.50E-01		
ZFYVE1	3.1	1.0	4.2	1.3	9.25E-03	3.4	1.1	7.37E-02		
CIR1	9.3	1.0	12.5	1.3	4.10E-03	10.5	1.1	1.16E-01		
PRKAB1	3.2	1.0	4.3	1.3	2.23E-02	4.7	1.5	4.97E-01		
KIAA0247	4.6	1.0	6.2	1.3	3.01E-04	5.9	1.3	7.11E-01		
GTPBP1	4.4	1.0	5.9	1.3	6.11E-04	5.4	1.2	2.65E-01		
THAP6	1.9	1.0	2.5	1.3	3.59E-05	2.0	1.1	6.85E-03		
HNRNPA0	9.0	1.0	12.0	1.3	7.17E-03	11.7	1.3	8.22E-01		
AMT	7.7	1.0	10.3	1.3	1.24E-02	9.4	1.2	2.28E-01		
MAPK11	2.8	1.0	3.7	1.3	1.18E-02	3.3	1.2	3.68E-01		
ABCA2	5.2	1.0	6.9	1.3	3.13E-03	5.2	1.0	2.24E-02		
CUX1	24.5	1.0	32.8	1.3	7.64E-04	30.9	1.3	3.60E-01		
ESYT1	7.4	1.0	9.9	1.3	4.12E-03	7.5	1.0	4.43E-02		
PPT1	9.1	1.0	12.2	1.3	2.89E-02	10.1	1.1	2.43E-01		
TNPO2	7.6	1.0	10.1	1.3	7.64E-04	8.7	1.1	7.70E-02		
NICN1	3.3	1.0	4.5	1.3	5.95E-03	3.9	1.2	1.21E-01		
THOC1	3.5	1.0	4.7	1.3	9.51E-03	4.4	1.2	2.68E-01		
C7orf50	14.3	1.0	19.1	1.3	9.00E-03	17.2	1.2	1.73E-01		
C1orf216	3.3	1.0	4.3	1.3	1.02E-02	3.5	1.1	7.86E-02		
PLA2G6	2.5	1.0	3.3	1.3	3.51E-02	3.4	1.4	6.98E-01		
NHSL1	4.6	1.0	6.1	1.3	2.05E-02	4.8	1.0	1.30E-01		
NRBF2	3.4	1.0	4.5	1.3	1.97E-02	4.3	1.3	7.10E-01		
GABARAPL2	66.0	1.0	88.2	1.3	2.91E-04	72.3	1.1	1.91E-02		
COMMD6	8.8	1.0	11.7	1.3	3.69E-03	11.3	1.3	7.67E-01		
PJA1	4.0	1.0	5.3	1.3	2.76E-02	4.2	1.1	1.28E-01		
TMEM110	1.7	1.0	2.3	1.3	2.32E-02	1.7	1.0	7.00E-02		
TMEM127	17.4	1.0	23.3	1.3	1.38E-03	15.9	-1.1	1.66E-03	v	v
TYRP1	11.0	1.0	14.6	1.3	4.07E-02	13.9	1.3	7.19E-01		
LAMA2	27.5	1.0	36.7	1.3	2.26E-02	27.6	1.0	1.84E-02		
DOLK	2.6	1.0	3.5	1.3	2.37E-03	2.8	1.1	4.31E-02		
HNRNPC	40.5	1.0	54.0	1.3	1.20E-04	50.3	1.2	3.92E-01		
DVL2	3.1	1.0	4.2	1.3	1.01E-02	3.9	1.2	5.18E-01		
LOC100306951	5.1	1.0	6.8	1.3	3.70E-02	5.6	1.1	6.24E-02		
U2AF1L4	4.7	1.0	6.2	1.3	2.94E-02	6.7	1.4	2.09E-01		
CCDC137	1.8	1.0	2.4	1.3	3.77E-03	2.2	1.2	3.55E-01		
SSH3	3.3	1.0	4.4	1.3	2.69E-02	3.4	1.0	5.32E-02		
SYF2	12.7	1.0	16.9	1.3	5.88E-03	15.3	1.2	3.71E-01		
DBNL	10.7	1.0	14.3	1.3	1.18E-02	11.8	1.1	8.25E-02		
ICK	1.7	1.0	2.3	1.3	3.62E-02	2.0	1.1	2.65E-01		
ATF6B	10.1	1.0	13.5	1.3	5.88E-03	12.0	1.2	1.84E-01		
SEPT7	41.3	1.0	54.9	1.3	5.10E-03	46.4	1.1	1.76E-01		
ADAR	11.9	1.0	15.9	1.3	3.18E-02	11.2	-1.1	4.80E-02	v	v
EDEM2	3.2	1.0	4.2	1.3	4.90E-02	3.8	1.2	2.63E-01		
SCAF1	4.3	1.0	5.7	1.3	2.81E-05	5.4	1.2	3.36E-01		
KIF3B	2.7	1.0	3.6	1.3	6.90E-03	2.9	1.1	5.08E-02		
GLT8D1	7.8	1.0	10.4	1.3	1.42E-02	8.5	1.1	1.41E-01		
PRELID1	10.4	1.0	13.8	1.3	3.82E-02	13.6	1.3	8.47E-01		
PDXP	5.2	1.0	6.9	1.3	2.28E-03	5.5	1.0	3.07E-02		
BACE1	4.0	1.0	5.3	1.3	3.20E-03	4.0	1.0	3.80E-02		
BCL7A	3.3	1.0	4.4	1.3	9.43E-03	4.2	1.3	5.01E-01		
STXBP1	8.0	1.0	10.6	1.3	5.54E-03	8.3	1.0	2.67E-02		
CHMP4A	9.8	1.0	13.1	1.3	1.39E-02	11.7	1.2	3.94E-01		
NDE1	2.0	1.0	2.6	1.3	2.67E-02	2.0	1.0	6.91E-02		
PGAM1	72.4	1.0	96.3	1.3	1.40E-02	74.0	1.0	1.25E-02		
SLC35B3	2.3	1.0	3.0	1.3	4.95E-02	2.7	1.2	9.28E-02		
NENF	27.3	1.0	36.3	1.3	8.52E-03	33.7	1.2	3.16E-01		
SLC35A5	3.0	1.0	4.0	1.3	2.11E-04	3.2	1.1	8.62E-02		
KIAA1370	5.5	1.0	7.3	1.3	1.18E-02	7.2	1.3	9.08E-01		
ZBTB45	2.3	1.0	3.1	1.3	8.40E-04	2.6	1.1	1.73E-01		
ACVR1	5.6	1.0	7.5	1.3	2.91E-02	5.7	1.0	9.90E-02		
SLC35A1	4.0	1.0	5.3	1.3	3.96E-02	4.1	1.0	3.09E-02		
GLB1	4.3	1.0	5.7	1.3	1.42E-02	4.5	1.0	1.21E-01		
ISY1-RAB43	2.5	1.0	3.3	1.3	4.11E-02	2.7	1.1	2.29E-01		
STX16	9.7	1.0	12.8	1.3	6.11E-03	12.1	1.3	5.16E-01		
AKIRIN2	8.4	1.0	11.2	1.3	7.55E-03	11.3	1.3	9.05E-01		
IDI1	4.5	1.0	6.0	1.3	1.15E-02	5.6	1.2	3.75E-01		
AP4S1	2.3	1.0	3.0	1.3	1.35E-02	2.5	1.1	1.09E-01		
PHF13	1.5	1.0	2.0	1.3	1.18E-02	2.0	1.3	8.26E-01		
SEPT8	7.8	1.0	10.4	1.3	3.06E-02	8.9	1.1	3.59E-01		
TNFRSF25	3.3	1.0	4.3	1.3	1.23E-02	4.4	1.3	8.96E-01		
RABGGTB	14.1	1.0	18.7	1.3	3.06E-04	17.6	1.2	3.60E-01		
PHLDB2	14.9	1.0	19.8	1.3	4.33E-02	17.3	1.2	4.49E-01		
AGTRAP	4.8	1.0	6.3	1.3	1.04E-02	7.1	1.5	2.68E-01		
APTX	3.6	1.0	4.7	1.3	3.51E-04	4.3	1.2	4.08E-02		
ARMCX6	7.9	1.0	10.5	1.3	3.60E-02	9.3	1.2	3.20E-01		
NUB1	10.1	1.0	13.4	1.3	1.72E-04	10.9	1.1	6.12E-02		
ZNF574	2.1	1.0	2.8	1.3	1.34E-02	2.3	1.1	1.28E-01		
BUD31	6.7	1.0	8.9	1.3	2.15E-02	7.7	1.2	2.38E-01		
ANTXR2	5.3	1.0	7.0	1.3	9.86E-03	6.0	1.1	2.34E-01		
MICAL2	8.8	1.0	11.6	1.3	4.60E-03	9.8	1.1	3.48E-02		
ZSCAN21	1.8	1.0	2.4	1.3	1.40E-02	2.3	1.3	5.41E-01		
TMED4	18.6	1.0	24.6	1.3	8.54E-04	19.2	1.0	8.44E-03		
GEMIN6	2.9	1.0	3.9	1.3	4.77E-02	3.5	1.2	4.96E-01		
TRIP4	4.2	1.0	5.5	1.3	1.74E-03	4.2	1.0	2.27E-02		

GALNT2	7.3	1.0	9.7	1.3	1.43E-02	8.1	1.1	1.63E-01		
GNAI3	2.5	1.0	3.3	1.3	4.54E-02	2.8	1.1	3.52E-01		
ZNF337	3.5	1.0	4.7	1.3	1.26E-02	4.0	1.1	6.41E-02		
SLBP	4.0	1.0	5.3	1.3	1.62E-02	4.8	1.2	4.51E-01		
MAPRE2	31.8	1.0	42.1	1.3	2.09E-02	45.2	1.4	6.74E-01		
GSTA4	5.0	1.0	6.6	1.3	3.03E-02	6.1	1.2	4.47E-01		
CDK7	3.6	1.0	4.8	1.3	1.04E-03	4.1	1.1	5.48E-02		
PRR12	2.3	1.0	3.1	1.3	1.35E-02	2.4	1.0	8.54E-02		
CWF19L2	2.1	1.0	2.8	1.3	1.30E-02	2.4	1.1	1.97E-01		
TCF3	2.5	1.0	3.3	1.3	2.58E-02	3.1	1.2	5.85E-01		
PHF12	4.2	1.0	5.5	1.3	1.36E-02	4.6	1.1	1.62E-01		
HEXB	25.6	1.0	33.9	1.3	2.49E-02	30.8	1.2	4.14E-01		
C11orf17	3.6	1.0	4.7	1.3	1.32E-02	3.8	1.1	1.12E-02		
UHRF2	3.1	1.0	4.1	1.3	2.72E-03	3.7	1.2	1.42E-01		
DCPS	3.4	1.0	4.6	1.3	1.73E-02	4.5	1.3	8.80E-01		
RNMT	4.7	1.0	6.2	1.3	3.25E-03	4.8	1.0	6.18E-03		
LUZP6	7.3	1.0	9.6	1.3	1.80E-02	8.1	1.1	3.00E-01		
MTPN	7.3	1.0	9.6	1.3	1.80E-02	8.1	1.1	3.00E-01		
CCNI	52.4	1.0	69.3	1.3	1.43E-03	58.6	1.1	1.12E-01		
COMMD8	4.4	1.0	5.8	1.3	1.32E-02	4.4	-1.0	5.74E-02		
PGM3	1.9	1.0	2.5	1.3	6.45E-04	2.0	1.1	8.86E-02		
GPR107	6.3	1.0	8.3	1.3	4.04E-03	6.6	1.0	7.09E-02		
ORAI3	2.5	1.0	3.3	1.3	4.44E-02	2.5	-1.0	1.19E-02	√	√
SPPL3	4.4	1.0	5.8	1.3	8.80E-03	5.3	1.2	3.83E-01		
CASP9	3.0	1.0	4.0	1.3	7.31E-03	3.9	1.3	6.79E-01		
KDM4A	3.5	1.0	4.6	1.3	4.32E-03	3.8	1.1	5.85E-02		
CDKN1B	11.5	1.0	15.2	1.3	1.05E-03	13.2	1.1	3.08E-01		
ZNF384	5.3	1.0	7.0	1.3	1.86E-03	6.0	1.1	8.72E-02		
C9orf16	12.1	1.0	16.0	1.3	4.51E-02	15.2	1.3	3.59E-01		
RECQL5	1.9	1.0	2.4	1.3	9.69E-03	2.5	1.4	7.76E-01		
SMARCC1	3.9	1.0	5.1	1.3	4.51E-03	4.5	1.2	2.59E-01		
NDST2	2.6	1.0	3.5	1.3	5.69E-03	2.9	1.1	1.24E-01		
CREB3	6.5	1.0	8.5	1.3	4.40E-02	6.6	1.0	5.80E-02		
PLOD3	6.6	1.0	8.7	1.3	1.91E-02	7.6	1.2	2.33E-01		
LRP5	8.5	1.0	11.1	1.3	7.15E-03	9.3	1.1	6.06E-02		
SH2B1	9.3	1.0	12.2	1.3	9.19E-04	11.1	1.2	4.09E-02		
GLI4	3.1	1.0	4.1	1.3	4.72E-03	4.2	1.3	8.27E-01		
PRICKLE2	1.1	1.0	1.4	1.3	1.79E-02	1.4	1.3	9.81E-01		
EXT2	6.9	1.0	9.0	1.3	1.39E-02	7.5	1.1	1.45E-01		
C14orf128	2.4	1.0	3.1	1.3	3.31E-02	2.7	1.1	2.82E-01		
NACA	122.3	1.0	161.0	1.3	2.82E-03	147.3	1.2	2.81E-01		
NCAPD2	2.5	1.0	3.3	1.3	9.55E-03	2.4	-1.0	1.90E-02	√	√
KIF13B	1.9	1.0	2.4	1.3	2.69E-02	2.3	1.2	5.74E-01		
IGSF8	4.8	1.0	6.3	1.3	2.72E-04	5.6	1.2	1.22E-01		
BRD3	3.3	1.0	4.4	1.3	2.24E-03	3.5	1.1	2.34E-02		
GCC1	1.9	1.0	2.5	1.3	1.43E-03	1.9	1.0	6.98E-02		
SIAH2	4.2	1.0	5.6	1.3	1.39E-04	5.5	1.3	9.19E-01		
PLEKHB2	8.3	1.0	11.0	1.3	1.20E-03	8.6	1.0	3.17E-02		
PRR14	4.8	1.0	6.3	1.3	4.67E-02	5.5	1.1	2.20E-01		
OAZ2	22.3	1.0	29.3	1.3	3.18E-03	27.1	1.2	3.93E-01		
TMUB2	6.1	1.0	8.0	1.3	6.75E-03	6.4	1.1	1.51E-02		
WWC3	8.1	1.0	10.6	1.3	1.20E-03	8.5	1.1	2.44E-02		
VIPAR	4.7	1.0	6.1	1.3	2.51E-03	5.9	1.3	4.68E-01		
CIDEB	2.4	1.0	3.1	1.3	2.23E-02	2.6	1.1	1.13E-01		
PGAP3	3.4	1.0	4.5	1.3	1.76E-02	3.9	1.1	4.80E-02		
FCF1	2.9	1.0	3.8	1.3	1.11E-03	3.2	1.1	1.82E-01		
C16orf45	19.2	1.0	25.2	1.3	5.16E-03	22.2	1.2	1.83E-01		
C7orf42	8.1	1.0	10.6	1.3	1.44E-02	8.8	1.1	1.48E-01		
STAT5B	7.6	1.0	10.0	1.3	2.38E-02	8.3	1.1	1.71E-01		
PHF11	5.1	1.0	6.7	1.3	2.97E-02	5.6	1.1	4.75E-02		
ERCC2	2.5	1.0	3.3	1.3	8.86E-03	2.8	1.1	7.83E-02		
VPS41	4.2	1.0	5.5	1.3	1.39E-05	4.4	1.1	1.76E-02		
ANXA7	33.3	1.0	43.6	1.3	2.59E-04	38.1	1.1	1.45E-01		
PPWD1	5.6	1.0	7.4	1.3	1.05E-03	6.2	1.1	5.37E-02		
RXRB	7.4	1.0	9.7	1.3	6.49E-04	8.6	1.2	7.40E-02		
HDAC5	8.3	1.0	10.9	1.3	9.45E-04	10.1	1.2	4.23E-01		
PHF1	12.4	1.0	16.2	1.3	4.54E-03	15.6	1.3	6.90E-01		
LAMP1	28.5	1.0	37.3	1.3	4.60E-02	30.5	1.1	2.26E-01		
NPTXR	3.0	1.0	3.9	1.3	2.71E-02	2.8	-1.1	4.43E-03	√	√
RBCK1	11.1	1.0	14.5	1.3	3.47E-02	11.9	1.1	9.65E-02		
ZFP90	1.8	1.0	2.4	1.3	9.51E-03	1.7	-1.1	2.28E-02	√	√
SNX5	13.5	1.0	17.6	1.3	2.65E-03	14.8	1.1	1.19E-01		
UBTF	7.8	1.0	10.3	1.3	6.77E-03	7.8	-1.0	1.22E-02		
ZNF512B	3.0	1.0	3.9	1.3	3.98E-04	3.4	1.1	5.25E-02		
ZBTB2	1.9	1.0	2.5	1.3	3.38E-02	2.1	1.1	2.87E-01		
MPG	14.3	1.0	18.7	1.3	1.04E-03	14.8	1.0	6.71E-03		
CHERP	4.6	1.0	6.0	1.3	4.43E-03	5.6	1.2	5.38E-01		
DCTN1	38.3	1.0	50.1	1.3	2.63E-03	49.0	1.3	8.03E-01		
TMEM42	3.5	1.0	4.6	1.3	2.74E-02	4.2	1.2	3.85E-01		
SNX8	2.7	1.0	3.5	1.3	7.10E-03	3.1	1.2	1.65E-01		
HSPC159	2.1	1.0	2.8	1.3	4.21E-02	2.4	1.1	2.43E-01		
RUSC2	6.6	1.0	8.7	1.3	2.20E-02	8.1	1.2	4.97E-01		
TRIM27	5.0	1.0	6.6	1.3	2.19E-03	5.6	1.1	2.47E-02		
UPF1	7.3	1.0	9.5	1.3	1.34E-03	8.9	1.2	4.12E-01		

MEAF6	5.7	1.0	7.5	1.3	8.47E-04	8.0	1.4	6.09E-01		
GATAD2B	3.0	1.0	3.9	1.3	1.63E-03	3.7	1.2	5.28E-01		
HN1L	6.0	1.0	7.9	1.3	3.80E-02	7.7	1.3	8.96E-01		
POP5	11.2	1.0	14.6	1.3	1.48E-03	11.0	-1.0	9.01E-04		
DNASE2	4.6	1.0	6.0	1.3	3.17E-02	4.2	-1.1	2.47E-02	V	V
FNBP1	3.5	1.0	4.6	1.3	3.23E-02	3.5	1.0	6.27E-02		
C9orf25	6.8	1.0	8.9	1.3	3.28E-03	8.2	1.2	4.76E-01		
PIAS3	5.4	1.0	7.0	1.3	4.70E-02	6.6	1.2	5.88E-01		
ATP6V1C1	3.9	1.0	5.1	1.3	3.56E-06	4.5	1.2	4.08E-02		
UBE2B	23.1	1.0	30.2	1.3	3.33E-03	26.5	1.1	1.41E-01		
OSBPL5	3.3	1.0	4.4	1.3	3.80E-02	3.7	1.1	1.60E-01		
UBE2Z	10.0	1.0	13.0	1.3	8.91E-04	11.2	1.1	1.06E-01		
PPP2R1A	68.7	1.0	89.7	1.3	1.13E-03	83.0	1.2	1.57E-01		
CYLD	2.9	1.0	3.8	1.3	4.12E-03	3.5	1.2	4.67E-01		
ACD	2.1	1.0	2.7	1.3	2.89E-02	2.7	1.3	9.97E-01		
SMAD1	3.2	1.0	4.1	1.3	1.68E-02	3.6	1.1	2.34E-01		
CHMP1A	10.1	1.0	13.1	1.3	2.85E-04	11.2	1.1	2.49E-02		
CIRBP	41.8	1.0	54.5	1.3	2.01E-02	54.5	1.3	9.93E-01		
DDX18	5.9	1.0	7.6	1.3	3.77E-03	6.6	1.1	1.47E-01		
C15orf44	4.0	1.0	5.3	1.3	1.47E-03	4.2	1.0	3.03E-02		
FAM18B1	5.8	1.0	7.6	1.3	1.56E-03	6.6	1.1	8.10E-02		
FAM110B	4.2	1.0	5.5	1.3	1.06E-02	4.9	1.2	2.32E-01		
KLRAQ1	3.2	1.0	4.2	1.3	1.81E-02	3.5	1.1	9.74E-02		
SRSF7	8.3	1.0	10.8	1.3	7.28E-03	10.5	1.3	7.80E-01		
USP36	3.0	1.0	3.9	1.3	1.05E-02	3.7	1.2	6.50E-01		
C17orf101	3.3	1.0	4.3	1.3	1.50E-04	3.5	1.0	3.51E-04		
TAX1BP3	36.9	1.0	48.1	1.3	2.24E-02	47.6	1.3	8.80E-01		
YPEL3	22.4	1.0	29.2	1.3	4.84E-02	26.2	1.2	5.29E-01		
PLEKHA3	6.0	1.0	7.9	1.3	1.23E-04	6.7	1.1	2.61E-02		
ATP13A1	4.0	1.0	5.3	1.3	1.14E-02	5.1	1.3	6.57E-01		
FOXP4	2.7	1.0	3.5	1.3	2.88E-02	3.5	1.3	9.93E-01		
KBTBD2	7.4	1.0	9.6	1.3	5.18E-03	7.8	1.1	2.86E-02		
ATP6V0B	18.0	1.0	23.4	1.3	1.28E-03	19.0	1.1	7.62E-04		
BBIP1	2.7	1.0	3.5	1.3	2.49E-02	2.8	1.0	1.94E-02		
CHMP1B	9.7	1.0	12.6	1.3	2.40E-05	11.1	1.1	4.27E-02		
SLC30A3	2.2	1.0	2.9	1.3	3.18E-02	3.1	1.4	4.11E-01		
RIOK1	2.9	1.0	3.7	1.3	3.03E-02	3.6	1.3	8.63E-01		
AKAP2	19.8	1.0	25.7	1.3	2.96E-03	21.7	1.1	1.21E-01		
PQLC1	6.1	1.0	7.9	1.3	4.94E-04	8.1	1.3	7.45E-01		
EED	2.2	1.0	2.9	1.3	1.25E-02	2.5	1.1	1.73E-01		
ZBTB4	14.7	1.0	19.1	1.3	3.27E-03	16.0	1.1	7.08E-02		
DPP3	2.1	1.0	2.7	1.3	7.09E-03	2.1	-1.0	2.76E-02		
SMYD2	99.0	1.0	128.7	1.3	4.70E-02	118.0	1.2	5.18E-01		
DYNLT1	26.1	1.0	33.9	1.3	7.00E-03	35.8	1.4	5.72E-01		
INSR	10.5	1.0	13.7	1.3	2.75E-02	12.7	1.2	5.17E-01		
PPP2CA	32.8	1.0	42.7	1.3	8.84E-04	37.6	1.1	1.49E-01		
ALDH9A1	15.9	1.0	20.7	1.3	2.74E-04	16.8	1.1	9.64E-03		
PRKAR1A	123.8	1.0	160.9	1.3	3.46E-02	141.6	1.1	2.85E-01		
ABHD4	4.9	1.0	6.3	1.3	2.04E-02	5.5	1.1	1.78E-01		
PELI1	2.6	1.0	3.4	1.3	4.71E-02	3.8	1.4	6.33E-01		
KIFC3	12.6	1.0	16.4	1.3	1.10E-02	13.6	1.1	4.49E-02		
IRF2BPL	5.7	1.0	7.3	1.3	1.79E-02	4.8	-1.2	9.78E-03		
DPH1	5.5	1.0	7.2	1.3	2.61E-03	6.2	1.1	1.65E-01		
DNAJC17	3.1	1.0	4.0	1.3	4.46E-03	3.6	1.2	2.56E-01		
TERF1	3.7	1.0	4.8	1.3	5.95E-05	3.8	1.0	4.11E-02		
EXOC2	3.4	1.0	4.4	1.3	4.76E-04	3.6	1.1	1.00E-01		
SYNPO	122.6	1.0	159.2	1.3	4.26E-03	118.5	-1.0	3.73E-02	V	V
RNPEP	5.1	1.0	6.6	1.3	1.93E-02	5.1	-1.0	1.83E-02		
ARFGAP1	6.4	1.0	8.3	1.3	6.84E-03	8.2	1.3	8.33E-01		
FBRS	5.6	1.0	7.3	1.3	1.00E-02	6.2	1.1	8.08E-02		
HNRNPH3	25.3	1.0	32.9	1.3	1.86E-03	32.1	1.3	7.64E-01		
RFNG	3.3	1.0	4.3	1.3	1.65E-02	4.3	1.3	8.85E-01		
CAMK2B	18.1	1.0	23.5	1.3	8.42E-05	23.8	1.3	7.38E-01		
HPS6	2.3	1.0	3.0	1.3	1.46E-03	2.5	1.1	3.96E-02		
CLN5	3.3	1.0	4.2	1.3	4.83E-03	3.4	1.0	8.33E-02		
LOC729234	3.7	1.0	4.8	1.3	2.23E-02	3.5	-1.1	9.43E-02		
HVCN1	3.2	1.0	4.2	1.3	1.93E-02	2.7	-1.2	8.38E-03		
ZNF419	1.8	1.0	2.3	1.3	1.60E-02	2.5	1.4	4.01E-01		
MKRN2	9.9	1.0	12.9	1.3	1.30E-03	11.2	1.1	6.95E-02		
MCAT	3.2	1.0	4.2	1.3	2.60E-03	3.5	1.1	1.28E-02		
CREG1	23.7	1.0	30.7	1.3	3.11E-02	23.1	-1.0	7.50E-02		
MANSC1	2.6	1.0	3.4	1.3	3.98E-02	2.3	-1.1	8.73E-03		
C7orf11	3.7	1.0	4.8	1.3	5.93E-03	4.3	1.2	2.47E-01		
NIPSNAP3A	5.7	1.0	7.4	1.3	3.61E-02	6.5	1.1	1.24E-01		
PAM	126.8	1.0	164.3	1.3	1.54E-02	116.7	-1.1	5.49E-03	V	V
NAP1L4	32.8	1.0	42.5	1.3	1.46E-04	37.7	1.1	1.70E-02		
SPTLC1	6.6	1.0	8.5	1.3	1.27E-02	7.1	1.1	1.82E-01		
HSPD1	42.6	1.0	55.2	1.3	1.57E-03	46.9	1.1	9.48E-02		
PLOD2	3.3	1.0	4.3	1.3	4.64E-02	3.5	1.0	1.59E-01		
TRIM39	2.4	1.0	3.1	1.3	8.94E-04	2.7	1.2	1.84E-01		
RNF103	16.0	1.0	20.7	1.3	1.02E-02	19.7	1.2	6.23E-01		
CSRP3	470.1	1.0	608.1	1.3	4.61E-02	805.1	1.7	1.96E-01		
ATG16L1	3.8	1.0	4.9	1.3	1.23E-04	4.0	1.1	1.92E-02		
TMEM66	55.4	1.0	71.7	1.3	2.93E-04	56.2	1.0	1.37E-02		

C1orf103	4.5	1.0	5.8	1.3	3.14E-03	5.2	1.2	2.44E-01		
C14orf1	2.9	1.0	3.7	1.3	1.88E-02	3.7	1.3	9.41E-01		
HDAC8	3.0	1.0	3.9	1.3	2.02E-02	3.4	1.1	8.79E-02		
CDIPT	16.8	1.0	21.7	1.3	9.86E-04	18.1	1.1	2.04E-02		
INTS1	6.3	1.0	8.2	1.3	1.81E-03	7.2	1.1	7.98E-02		
CSNK2A2	6.7	1.0	8.6	1.3	1.99E-03	8.2	1.2	4.49E-01		
JAZF1	6.2	1.0	8.0	1.3	4.71E-04	7.4	1.2	4.46E-01		
SMAD2	2.9	1.0	3.8	1.3	1.65E-03	3.2	1.1	1.45E-01		
TMEM150A	3.1	1.0	4.0	1.3	3.80E-02	4.5	1.5	1.78E-01		
DHX16	6.3	1.0	8.2	1.3	2.02E-04	7.5	1.2	2.62E-01		
ILKAP	6.4	1.0	8.3	1.3	3.49E-03	7.8	1.2	3.16E-01		
SF3B2	22.0	1.0	28.4	1.3	1.89E-02	25.9	1.2	4.26E-01		
DHX8	3.6	1.0	4.7	1.3	1.29E-03	3.9	1.1	1.35E-01		
FBXO7	13.1	1.0	16.9	1.3	4.51E-03	14.9	1.1	1.72E-01		
RYBP	2.9	1.0	3.7	1.3	3.94E-03	3.8	1.3	9.14E-01		
AFTPH	2.5	1.0	3.3	1.3	2.43E-02	2.7	1.1	2.30E-01		
TCTA	6.2	1.0	8.0	1.3	3.12E-02	6.3	1.0	3.01E-02		
MPRIP	37.6	1.0	48.5	1.3	4.34E-03	42.3	1.1	1.96E-01		
C11orf31	6.4	1.0	8.3	1.3	1.34E-02	7.7	1.2	4.09E-01		
CCDC115	4.7	1.0	6.0	1.3	4.74E-02	5.2	1.1	2.64E-01		
ODF2	4.5	1.0	5.8	1.3	1.69E-02	5.1	1.1	1.43E-01		
C16orf48	2.9	1.0	3.8	1.3	1.78E-02	3.6	1.2	5.99E-01		
ZNF317	2.5	1.0	3.3	1.3	4.89E-04	2.9	1.1	1.86E-01		
SLC43A3	5.0	1.0	6.5	1.3	2.35E-02	5.0	-1.0	6.90E-02		
RBP7	12.5	1.0	16.1	1.3	4.64E-02	17.0	1.4	4.71E-01		
FAM149B1	3.1	1.0	4.0	1.3	1.07E-02	3.6	1.2	2.21E-01		
AVPI1	2.7	1.0	3.5	1.3	5.65E-03	2.4	-1.1	1.31E-02		
POLR2C	14.7	1.0	18.9	1.3	8.55E-05	15.6	1.1	9.65E-03		
ARF6	5.6	1.0	7.2	1.3	1.52E-02	6.2	1.1	1.98E-01		
SS18	8.3	1.0	10.7	1.3	6.19E-05	9.0	1.1	4.64E-02		
WDR8	2.9	1.0	3.7	1.3	4.51E-04	3.3	1.1	1.02E-01		
AAAS	9.5	1.0	12.2	1.3	2.61E-03	11.6	1.2	1.09E-01		
LENG8	29.1	1.0	37.5	1.3	3.29E-02	37.2	1.3	9.10E-01		
PXK	3.0	1.0	3.9	1.3	2.19E-02	3.3	1.1	2.52E-01		
QTRT1	7.6	1.0	9.8	1.3	1.40E-02	9.7	1.3	7.88E-01		
ZC3H4	2.6	1.0	3.3	1.3	1.48E-02	3.1	1.2	4.83E-01		
CREB3L2	4.0	1.0	5.1	1.3	1.78E-02	4.3	1.1	3.41E-01		
PITPNB	9.2	1.0	11.9	1.3	5.40E-03	12.2	1.3	7.92E-01		
POLR2A	7.5	1.0	9.7	1.3	5.27E-03	7.8	1.0	5.86E-02		
ALG14	2.1	1.0	2.7	1.3	2.08E-02	2.5	1.2	5.45E-01		
PIGT	42.0	1.0	54.1	1.3	1.15E-02	38.3	-1.1	1.59E-03	v	v
RIPK2	2.0	1.0	2.6	1.3	2.48E-02	2.2	1.1	1.51E-01		
LEMD2	6.4	1.0	8.2	1.3	7.98E-03	8.0	1.3	7.42E-01		
PEF1	12.7	1.0	16.4	1.3	2.52E-02	15.7	1.2	6.51E-01		
PSMG2	10.4	1.0	13.4	1.3	9.03E-03	12.9	1.2	6.51E-01		
SLC38A10	8.9	1.0	11.5	1.3	2.87E-02	9.3	1.0	1.13E-01		
SPAG16	4.6	1.0	6.0	1.3	9.80E-03	4.7	1.0	1.12E-02		
UTP14A	2.8	1.0	3.6	1.3	1.15E-02	3.2	1.2	3.02E-01		
NOC2L	8.8	1.0	11.3	1.3	1.37E-04	10.1	1.2	5.81E-02		
RNF38	4.6	1.0	5.9	1.3	1.46E-02	5.7	1.2	7.87E-01		
HDGFRP2	5.2	1.0	6.7	1.3	2.09E-03	6.0	1.2	1.39E-01		
NRBP2	4.8	1.0	6.1	1.3	3.78E-02	5.7	1.2	5.31E-01		
TM2D2	3.3	1.0	4.2	1.3	8.56E-03	3.2	-1.0	2.46E-02		
DNAJC30	4.1	1.0	5.3	1.3	3.61E-03	5.3	1.3	9.40E-01		
GTF2H4	3.0	1.0	3.8	1.3	1.50E-02	3.3	1.1	1.40E-01		
IFT57	3.9	1.0	5.0	1.3	2.66E-02	4.3	1.1	2.96E-01		
HSPB11	5.1	1.0	6.6	1.3	9.53E-04	6.5	1.3	9.60E-01		
FBXO38	6.4	1.0	8.2	1.3	3.49E-03	6.8	1.1	1.08E-01		
ULK1	10.9	1.0	14.0	1.3	4.24E-03	13.1	1.2	5.28E-01		
MAP1LC3B2	9.5	1.0	12.2	1.3	1.91E-02	9.6	1.0	7.26E-03		
OS9	29.0	1.0	37.2	1.3	2.95E-02	30.2	1.0	1.47E-01		
POLDIP3	8.6	1.0	11.0	1.3	7.33E-04	9.5	1.1	1.51E-01		
LRCH1	2.9	1.0	3.7	1.3	4.30E-02	3.8	1.3	7.08E-01		
BAHD1	3.3	1.0	4.2	1.3	9.80E-03	3.6	1.1	1.23E-01		
TRAF7	4.4	1.0	5.6	1.3	2.76E-02	4.8	1.1	2.38E-01		
MRFAP1	81.4	1.0	104.4	1.3	1.85E-04	97.2	1.2	3.23E-01		
PRPSAP2	3.4	1.0	4.3	1.3	2.39E-02	3.7	1.1	1.51E-01		
UBE2W	2.4	1.0	3.0	1.3	4.34E-03	2.6	1.1	2.01E-01		
ATP2B1	1.7	1.0	2.2	1.3	3.98E-02	1.5	-1.1	4.68E-02	v	v
ZCCHC10	2.4	1.0	3.1	1.3	8.94E-03	3.0	1.2	5.71E-01		
ENOX2	2.7	1.0	3.5	1.3	1.49E-02	3.0	1.1	1.80E-01		
PRKAR1B	4.1	1.0	5.2	1.3	3.97E-02	4.7	1.2	2.52E-01		
TMEM185B	4.8	1.0	6.2	1.3	1.16E-02	5.6	1.1	2.45E-01		
SCAMP4	3.1	1.0	3.9	1.3	3.59E-02	3.3	1.1	1.88E-01		
CPNE1	8.8	1.0	11.2	1.3	2.81E-02	10.5	1.2	3.43E-01		
MAP2K5	4.0	1.0	5.1	1.3	5.69E-03	4.6	1.1	1.48E-01		
SWAP70	5.8	1.0	7.4	1.3	3.23E-02	6.3	1.1	3.47E-01		
NR3C1	5.5	1.0	7.0	1.3	1.73E-02	5.2	-1.1	7.03E-02		
FAM160A2	3.7	1.0	4.7	1.3	7.91E-03	4.5	1.2	5.62E-01		
MGEA5	22.8	1.0	29.2	1.3	3.45E-03	23.8	1.0	3.91E-02		
AAGAB	5.3	1.0	6.8	1.3	4.80E-03	5.2	-1.0	2.04E-03		
ATXN1L	3.6	1.0	4.6	1.3	1.15E-02	4.7	1.3	8.28E-01		
EFHD2	5.2	1.0	6.6	1.3	2.72E-02	6.1	1.2	3.98E-01		
C11orf84	2.9	1.0	3.7	1.3	2.46E-03	3.6	1.2	6.98E-01		

SBDS	77.1	1.0	98.6	1.3	5.55E-04	95.4	1.2	6.57E-01		
KCTD7	2.6	1.0	3.3	1.3	3.71E-03	2.8	1.1	9.32E-02		
KDM6B	3.4	1.0	4.3	1.3	5.05E-03	4.2	1.3	8.57E-01		
PIBF1	2.8	1.0	3.5	1.3	3.32E-03	3.0	1.1	8.56E-02		
RAB11B	37.0	1.0	47.4	1.3	9.31E-04	43.9	1.2	2.23E-01		
NOP56	11.3	1.0	14.4	1.3	3.82E-03	13.3	1.2	3.03E-01		
HPS4	2.3	1.0	2.9	1.3	1.48E-02	2.7	1.2	2.72E-01		
VARS2	3.2	1.0	4.1	1.3	5.01E-03	4.2	1.3	9.47E-01		
C12orf49	1.7	1.0	2.2	1.3	3.09E-02	1.7	-1.0	4.17E-02	v	v
ACACA	2.0	1.0	2.6	1.3	1.26E-02	1.7	-1.2	4.98E-03		
SF3B4	7.0	1.0	9.0	1.3	4.59E-02	8.2	1.2	4.68E-01		
PPM1D	1.3	1.0	1.6	1.3	2.04E-02	1.5	1.2	5.46E-01		
ZNF415	4.2	1.0	5.4	1.3	5.19E-03	4.7	1.1	2.39E-01		
RDBP	8.7	1.0	11.2	1.3	4.51E-03	10.7	1.2	5.52E-01		
SAE1	11.1	1.0	14.2	1.3	1.85E-03	12.1	1.1	1.21E-01		
SIGMAR1	7.1	1.0	9.1	1.3	4.39E-02	7.2	1.0	1.02E-01		
FZR1	4.1	1.0	5.2	1.3	2.72E-03	5.1	1.2	7.33E-01		
HPS5	2.1	1.0	2.6	1.3	2.83E-02	2.0	-1.0	3.21E-02		
GCLC	4.3	1.0	5.5	1.3	1.28E-03	5.3	1.2	7.48E-01		
GOLGA3	4.5	1.0	5.7	1.3	1.34E-02	4.8	1.1	1.47E-01		
TCP11L1	1.7	1.0	2.2	1.3	3.94E-02	1.9	1.1	2.30E-01		
TXLNA	4.9	1.0	6.2	1.3	8.83E-03	5.6	1.2	2.37E-01		
FBXO21	8.8	1.0	11.3	1.3	2.82E-02	10.5	1.2	2.65E-01		
TOMM34	4.3	1.0	5.5	1.3	1.49E-02	5.3	1.2	6.44E-01		
YIPF5	3.6	1.0	4.6	1.3	1.21E-02	3.3	-1.1	2.62E-02	v	v
JKAMP	6.1	1.0	7.8	1.3	3.88E-04	6.2	1.0	1.41E-02		
PELO	3.9	1.0	5.0	1.3	2.14E-02	4.0	1.0	8.95E-02		
SDCCAG8	3.2	1.0	4.1	1.3	1.98E-02	3.6	1.1	2.95E-01		
C14orf119	4.5	1.0	5.7	1.3	2.76E-04	4.7	1.1	1.03E-02		
SMURF2	2.0	1.0	2.5	1.3	5.57E-03	2.1	1.1	1.36E-01		
UFSP2	9.7	1.0	12.4	1.3	2.43E-03	10.6	1.1	9.38E-03		
MED29	3.8	1.0	4.9	1.3	2.26E-03	4.1	1.1	3.79E-02		
NAPG	5.8	1.0	7.4	1.3	2.82E-03	6.6	1.1	3.49E-01		
VPS33A	2.4	1.0	3.1	1.3	3.43E-03	2.2	-1.1	1.08E-03	v	v
COPA	17.7	1.0	22.6	1.3	7.23E-05	19.3	1.1	3.75E-02		
AAMP	17.8	1.0	22.7	1.3	1.06E-03	21.7	1.2	3.86E-01		
EZH1	12.0	1.0	15.3	1.3	1.26E-03	13.0	1.1	1.00E-01		
C5orf53	2.9	1.0	3.7	1.3	7.93E-03	3.3	1.1	2.70E-01		
PNRC2	22.0	1.0	28.1	1.3	8.89E-06	22.6	1.0	1.48E-02		
CLK2	6.1	1.0	7.7	1.3	1.41E-02	7.6	1.2	7.53E-01		
CDC42	38.0	1.0	48.5	1.3	3.99E-04	42.6	1.1	1.89E-01		
SNPH	2.2	1.0	2.8	1.3	2.36E-02	2.2	-1.0	2.38E-03		
USP19	8.1	1.0	10.4	1.3	2.36E-04	9.2	1.1	7.91E-02		
TMEM216	1.8	1.0	2.4	1.3	4.27E-02	2.1	1.1	2.97E-01		
SLC25A16	2.3	1.0	2.9	1.3	4.20E-02	2.4	1.1	1.23E-01		
YIPF4	8.6	1.0	10.9	1.3	1.84E-02	9.4	1.1	2.21E-01		
SIN3A	3.6	1.0	4.6	1.3	4.10E-03	3.5	-1.0	1.22E-02		
HTATSF1	25.9	1.0	33.0	1.3	1.16E-03	29.5	1.1	1.40E-01		
KHDRBS1	17.2	1.0	21.9	1.3	9.58E-04	18.8	1.1	9.40E-02		
SORT1	17.5	1.0	22.3	1.3	4.36E-02	22.4	1.3	9.54E-01		
GPN2	3.9	1.0	4.9	1.3	4.45E-02	4.1	1.1	7.29E-02		
TAF15	21.2	1.0	27.0	1.3	1.65E-03	25.7	1.2	6.28E-01		
CNNM4	4.5	1.0	5.8	1.3	3.59E-02	5.6	1.2	8.20E-01		
UPP1	2.8	1.0	3.6	1.3	2.61E-02	3.9	1.4	4.42E-01		
CNOT3	4.6	1.0	5.8	1.3	3.90E-02	5.8	1.3	9.77E-01		
SART3	5.2	1.0	6.6	1.3	1.58E-03	5.9	1.1	1.14E-01		
PBX2	10.7	1.0	13.6	1.3	4.75E-03	12.2	1.1	2.25E-01		
UNG	6.6	1.0	8.4	1.3	1.62E-02	8.0	1.2	6.34E-01		
CRNKL1	2.8	1.0	3.5	1.3	2.04E-04	3.0	1.1	1.03E-01		
STARD3NL	6.5	1.0	8.3	1.3	6.71E-03	6.9	1.1	4.77E-02		
MIS12	2.0	1.0	2.6	1.3	5.56E-03	2.3	1.1	2.15E-01		
RAB40B	6.3	1.0	8.0	1.3	1.21E-02	7.6	1.2	2.07E-01		
DAZAP2	53.8	1.0	68.4	1.3	1.90E-03	59.5	1.1	1.34E-01		
OSGEP	5.2	1.0	6.6	1.3	2.16E-02	5.6	1.1	4.37E-02		
MGAT4B	19.4	1.0	24.6	1.3	2.10E-02	21.9	1.1	1.46E-01		
LLPH	8.5	1.0	10.8	1.3	8.00E-03	10.0	1.2	4.81E-01		
SGCG	36.3	1.0	46.1	1.3	2.26E-02	44.4	1.2	7.48E-01		
EIF4A2	130.3	1.0	165.4	1.3	1.25E-04	153.0	1.2	2.98E-01		
PWWP2B	3.0	1.0	3.8	1.3	8.30E-03	3.0	1.0	3.21E-02		
SNHG1	3.0	1.0	3.8	1.3	3.38E-02	3.9	1.3	7.92E-01		
GTF2E2	4.0	1.0	5.1	1.3	4.66E-02	4.5	1.1	1.72E-01		
MBD1	7.5	1.0	9.5	1.3	1.37E-03	7.6	1.0	1.55E-02		
TM9SF4	7.8	1.0	9.9	1.3	2.56E-03	8.6	1.1	1.72E-01		
GARS	11.2	1.0	14.2	1.3	2.40E-03	12.2	1.1	3.63E-02		
COPG	18.1	1.0	22.9	1.3	1.24E-03	20.4	1.1	1.44E-01		
LYPLAL1	7.7	1.0	9.7	1.3	4.14E-03	9.7	1.3	9.67E-01		
ANP32E	6.8	1.0	8.6	1.3	3.36E-02	7.5	1.1	2.07E-01		
MBTPS1	18.2	1.0	23.1	1.3	5.24E-03	19.0	1.0	7.28E-02		
MEN1	2.5	1.0	3.2	1.3	2.56E-02	2.9	1.2	2.94E-01		
LRRC41	9.8	1.0	12.4	1.3	3.01E-03	11.0	1.1	1.69E-01		
SCO1	10.9	1.0	13.8	1.3	3.07E-03	11.6	1.1	4.87E-02		
TMEM55B	5.3	1.0	6.8	1.3	1.10E-02	5.7	1.1	1.10E-02		
SPECC1L	6.1	1.0	7.8	1.3	4.42E-03	6.2	1.0	8.65E-02		
MAFG	4.0	1.0	5.1	1.3	7.95E-03	4.2	1.0	8.47E-02		

SEC61A2	2.8	1.0	3.6	1.3	1.83E-03	3.0	1.1	6.01E-02		
BYSL	2.2	1.0	2.8	1.3	7.92E-03	2.8	1.3	8.65E-01		
IVD	10.5	1.0	13.3	1.3	3.34E-03	11.6	1.1	3.18E-02		
ANKMY2	8.5	1.0	10.7	1.3	4.66E-03	9.0	1.1	2.41E-02		
SSB	18.6	1.0	23.6	1.3	1.16E-04	20.4	1.1	1.16E-01		
ZNF211	4.2	1.0	5.3	1.3	4.82E-03	4.8	1.1	1.21E-01		
EAPP	8.3	1.0	10.6	1.3	4.58E-02	9.8	1.2	5.96E-01		
CCDC45	4.1	1.0	5.2	1.3	8.23E-03	5.0	1.2	6.10E-01		
CDK5RAP3	16.0	1.0	20.3	1.3	2.20E-02	19.4	1.2	5.27E-01		
STX5	6.2	1.0	7.9	1.3	1.04E-02	7.1	1.1	3.87E-01		
DOCK6	6.2	1.0	7.8	1.3	4.72E-02	8.5	1.4	4.24E-01		
NFKB1	4.2	1.0	5.3	1.3	1.58E-02	4.6	1.1	2.77E-01		
ABTB1	9.9	1.0	12.6	1.3	2.39E-02	10.6	1.1	6.57E-02		
SRA1	6.5	1.0	8.3	1.3	7.05E-03	9.0	1.4	3.85E-01		
C5orf43	3.5	1.0	4.5	1.3	3.58E-03	3.7	1.0	7.86E-02		
RNF20	10.0	1.0	12.6	1.3	2.41E-03	9.8	-1.0	1.28E-02		
MAP4K4	12.9	1.0	16.4	1.3	2.66E-02	13.9	1.1	2.13E-01		
ITFG3	24.6	1.0	31.1	1.3	2.89E-03	24.2	-1.0	1.59E-03		
TMEM175	5.3	1.0	6.7	1.3	1.13E-02	6.3	1.2	1.42E-01		
C14orf129	2.6	1.0	3.3	1.3	8.47E-03	2.7	1.0	5.35E-02		
LRRC42	3.7	1.0	4.6	1.3	1.40E-02	3.5	-1.0	2.72E-02		
FDX1L	4.4	1.0	5.6	1.3	3.36E-02	5.5	1.2	7.44E-01		
GAK	4.8	1.0	6.0	1.3	1.11E-02	6.0	1.3	9.13E-01		
FIP1L1	3.6	1.0	4.6	1.3	1.38E-02	4.3	1.2	5.84E-01		
CRAMP1L	2.8	1.0	3.5	1.3	8.94E-03	3.5	1.3	9.48E-01		
SNRPE	5.0	1.0	6.3	1.3	9.75E-03	5.9	1.2	5.76E-01		
RUVBL1	6.1	1.0	7.7	1.3	1.45E-03	6.7	1.1	3.98E-02		
CDK4	13.6	1.0	17.2	1.3	7.25E-03	16.1	1.2	4.99E-01		
HGS	10.1	1.0	12.8	1.3	6.78E-03	11.4	1.1	1.47E-01		
LZTS2	9.5	1.0	12.0	1.3	3.30E-02	10.3	1.1	1.09E-01		
PTPN11	19.2	1.0	24.3	1.3	3.80E-02	19.8	1.0	1.81E-01		
CSTB	48.9	1.0	61.7	1.3	2.37E-02	57.5	1.2	3.78E-01		
MAPRE1	15.4	1.0	19.4	1.3	1.47E-03	17.6	1.1	2.60E-01		
TMEM115	7.4	1.0	9.3	1.3	8.71E-04	7.8	1.1	4.81E-02		
STK40	11.4	1.0	14.4	1.3	1.64E-02	11.2	-1.0	5.13E-02		
HSPBP1	6.5	1.0	8.2	1.3	4.49E-03	7.8	1.2	4.77E-01		
MED14	3.7	1.0	4.7	1.3	4.91E-03	3.7	-1.0	7.37E-03		
ATP9A	4.8	1.0	6.1	1.3	1.09E-02	4.4	-1.1	7.05E-04	√	√
TOB1	13.2	1.0	16.7	1.3	4.98E-03	12.3	-1.1	2.38E-02	√	√
NGDN	6.9	1.0	8.7	1.3	1.26E-02	8.4	1.2	7.68E-01		
CPOX	2.9	1.0	3.7	1.3	1.27E-02	2.8	-1.0	1.90E-02		
XAB2	6.1	1.0	7.7	1.3	1.36E-02	7.6	1.2	7.70E-01		
MSH2	3.3	1.0	4.2	1.3	4.86E-02	3.4	1.0	1.19E-02		
PTGES3	32.6	1.0	41.1	1.3	9.77E-03	37.4	1.1	3.56E-01		
DNAJB2	19.6	1.0	24.7	1.3	2.51E-03	23.7	1.2	5.33E-01		
SNX17	15.1	1.0	19.1	1.3	2.76E-02	15.8	1.0	4.71E-02		
SAR1A	14.3	1.0	18.0	1.3	5.27E-03	14.6	1.0	1.03E-02		
C6orf1	6.9	1.0	8.8	1.3	1.84E-02	9.0	1.3	7.91E-01		
LRRC47	9.3	1.0	11.8	1.3	3.98E-04	10.0	1.1	9.27E-03		
KBTBD4	3.6	1.0	4.6	1.3	9.08E-03	3.5	-1.0	1.54E-02		
FAM160B2	9.4	1.0	11.8	1.3	1.27E-03	10.9	1.2	2.04E-01		
HDAC2	2.8	1.0	3.5	1.3	1.57E-03	3.1	1.1	2.18E-01		
ARFIP1	2.9	1.0	3.6	1.3	2.09E-02	3.4	1.2	5.48E-01		
WBSCR16	12.1	1.0	15.2	1.3	1.90E-03	14.7	1.2	6.15E-01		
GPC1	38.8	1.0	48.8	1.3	3.70E-02	41.9	1.1	1.77E-01		
C20orf194	6.2	1.0	7.9	1.3	1.85E-02	6.1	-1.0	3.54E-02		
NDEL1	7.3	1.0	9.2	1.3	1.00E-02	10.3	1.4	3.57E-01		
U2AF2	14.3	1.0	17.9	1.3	1.57E-03	16.9	1.2	4.15E-01		
OMA1	6.9	1.0	8.7	1.3	3.27E-02	7.0	1.0	9.34E-02		
GOLIM4	17.0	1.0	21.4	1.3	1.84E-02	17.1	1.0	7.20E-02		
CCDC9	3.9	1.0	4.9	1.3	1.66E-02	5.0	1.3	9.14E-01		
ABHD12	7.0	1.0	8.9	1.3	3.19E-02	7.4	1.1	2.39E-02		
BMPR2	4.2	1.0	5.3	1.3	2.14E-03	4.5	1.1	1.83E-01		
SRSF8	3.3	1.0	4.1	1.3	1.01E-02	3.0	-1.1	6.35E-03	√	√
CSNK1E	16.2	1.0	20.4	1.3	3.95E-03	20.1	1.2	8.60E-01		
LYNX1	23.0	1.0	28.9	1.3	4.69E-02	22.7	-1.0	1.29E-02		
IP6K1	4.3	1.0	5.5	1.3	3.25E-02	4.4	1.0	1.28E-01		
NDOR1	2.3	1.0	2.8	1.3	1.80E-02	2.5	1.1	1.22E-01		
KDM1B	2.4	1.0	3.0	1.3	3.94E-02	2.4	-1.0	1.45E-02		
KRCC1	10.3	1.0	12.9	1.3	2.15E-02	11.3	1.1	1.94E-01		
C8orf33	4.0	1.0	5.0	1.3	1.71E-03	3.8	-1.0	3.09E-02		
TOR1AIP1	10.0	1.0	12.5	1.3	7.36E-03	10.4	1.0	1.27E-01		
TTC23	2.2	1.0	2.7	1.3	2.07E-02	2.5	1.1	3.48E-01		
SDF4	31.6	1.0	39.7	1.3	1.94E-03	32.6	1.0	4.21E-02		
SLC2A11	2.4	1.0	3.0	1.3	4.27E-02	2.4	1.0	1.81E-02		
ATP6V1H	10.0	1.0	12.6	1.3	2.09E-03	10.7	1.1	7.97E-02		
TMEM219	16.8	1.0	21.1	1.3	3.92E-02	19.9	1.2	4.62E-01		
ITPA	4.0	1.0	5.0	1.3	1.85E-02	5.1	1.3	9.10E-01		
PAPD4	5.1	1.0	6.4	1.3	1.63E-02	6.0	1.2	4.78E-01		
ZNF687	2.8	1.0	3.6	1.3	2.72E-03	2.7	-1.0	1.45E-02		
POLL	3.6	1.0	4.5	1.3	2.60E-02	4.2	1.2	3.77E-01		
MLL	2.5	1.0	3.2	1.3	3.20E-02	2.3	-1.1	5.86E-03		
RABGEF1	3.8	1.0	4.7	1.3	2.66E-03	3.8	-1.0	2.01E-02		
SUPT5H	14.2	1.0	17.8	1.3	1.17E-02	16.0	1.1	2.43E-01		

RBM42	9.3	1.0	11.7	1.3	3.51E-03	11.5	1.2	7.66E-01		
UBE2E2	6.5	1.0	8.2	1.3	7.38E-04	7.4	1.1	1.03E-02		
SGTA	20.4	1.0	25.6	1.3	1.19E-04	23.9	1.2	2.96E-01		
BCL2L2	9.5	1.0	11.9	1.3	1.69E-03	10.3	1.1	8.04E-02		
LATS2	4.6	1.0	5.7	1.3	2.08E-02	4.7	1.0	1.38E-01		
TMEM222	7.9	1.0	10.0	1.3	4.42E-03	8.9	1.1	3.52E-02		
TRPC4AP	11.0	1.0	13.7	1.3	5.93E-03	12.0	1.1	9.14E-02		
SNAPC3	4.9	1.0	6.1	1.3	8.06E-03	5.4	1.1	1.50E-01		
TOMM22	13.4	1.0	16.8	1.3	2.19E-03	16.1	1.2	5.40E-01		
STX6	1.9	1.0	2.3	1.3	1.41E-02	2.2	1.2	4.78E-01		
C9orf125	10.8	1.0	13.6	1.3	1.29E-02	9.8	-1.1	1.25E-02	v	v
PDLIM1	106.1	1.0	132.9	1.3	1.12E-02	153.4	1.4	2.00E-01		
C20orf11	4.0	1.0	5.0	1.3	5.33E-03	4.3	1.1	8.86E-02		
CDYL	3.7	1.0	4.6	1.3	6.89E-03	3.8	1.0	1.11E-01		
BLMH	4.0	1.0	5.0	1.3	4.22E-03	4.4	1.1	1.03E-01		
TARS2	7.6	1.0	9.5	1.3	1.56E-02	7.9	1.0	2.00E-03		
ZNF282	2.3	1.0	2.9	1.3	1.19E-02	2.8	1.2	5.87E-01		
RIC8A	8.5	1.0	10.7	1.3	1.87E-02	8.4	-1.0	1.81E-02		
ZNF226	3.1	1.0	3.9	1.3	3.06E-02	4.3	1.4	4.82E-01		
C9orf23	10.8	1.0	13.6	1.3	1.45E-03	12.6	1.2	3.90E-01		
YEATS2	2.4	1.0	3.0	1.3	3.57E-02	2.5	1.1	2.50E-01		
AP4B1	3.3	1.0	4.2	1.3	1.42E-02	3.8	1.1	1.12E-01		
RNF214	4.1	1.0	5.1	1.3	3.25E-03	4.1	1.0	3.79E-02		
CTDP1	2.1	1.0	2.6	1.3	8.81E-03	2.5	1.2	6.42E-01		
VAMP2	18.3	1.0	23.0	1.3	4.07E-03	20.9	1.1	1.83E-01		
C19orf22	5.2	1.0	6.5	1.3	2.16E-02	6.6	1.3	7.48E-01		
ZCCHC17	9.3	1.0	11.7	1.3	6.74E-04	10.9	1.2	4.01E-01		
NISCH	9.1	1.0	11.4	1.3	2.61E-02	11.1	1.2	7.16E-01		
C1D	4.5	1.0	5.6	1.3	1.95E-02	5.0	1.1	3.10E-01		
YARS2	2.4	1.0	3.0	1.3	2.13E-02	2.9	1.2	5.94E-01		
PPIC	13.2	1.0	16.5	1.3	3.49E-02	13.4	1.0	7.39E-02		
KLC4	7.5	1.0	9.4	1.3	1.35E-03	8.7	1.2	3.42E-01		
AKAP17A	6.8	1.0	8.5	1.2	3.83E-02	9.1	1.3	6.09E-01		
TSN	7.8	1.0	9.7	1.2	1.04E-05	8.0	1.0	1.76E-03		
ZNF462	2.2	1.0	2.7	1.2	3.25E-02	2.2	1.0	1.04E-01		
SEC22B	8.9	1.0	11.1	1.2	1.04E-03	8.7	-1.0	2.31E-02		
ARMCX1	8.5	1.0	10.7	1.2	1.13E-02	9.0	1.1	1.73E-03		
SBF1	6.7	1.0	8.3	1.2	8.31E-04	7.2	1.1	9.71E-02		
TRAPPC4	8.6	1.0	10.7	1.2	1.12E-02	9.5	1.1	2.35E-02		
MEX3C	3.1	1.0	3.8	1.2	9.13E-03	3.5	1.1	3.26E-01		
WDR48	5.7	1.0	7.1	1.2	9.31E-04	6.4	1.1	2.82E-01		
HMGCR	1.8	1.0	2.2	1.2	1.80E-02	2.1	1.2	3.25E-01		
SGCA	40.5	1.0	50.6	1.2	3.08E-02	43.5	1.1	3.09E-02		
GFER	2.3	1.0	2.9	1.2	1.98E-02	2.8	1.2	7.14E-01		
PDRG1	3.5	1.0	4.4	1.2	7.84E-03	4.0	1.2	2.74E-01		
TMCO1	4.7	1.0	5.9	1.2	5.85E-04	5.0	1.1	8.27E-02		
UBFD1	6.9	1.0	8.6	1.2	1.01E-02	7.1	1.0	1.14E-01		
OBSCN	25.6	1.0	32.0	1.2	4.71E-02	36.5	1.4	3.73E-01		
SSH1	4.5	1.0	5.6	1.2	1.62E-02	4.8	1.1	2.74E-01		
C21orf59	7.9	1.0	9.8	1.2	4.62E-03	8.5	1.1	1.19E-01		
TRA2B	6.5	1.0	8.2	1.2	8.99E-03	8.3	1.3	8.98E-01		
NUDT7	11.0	1.0	13.7	1.2	2.00E-02	12.6	1.2	3.16E-01		
HSP90AA1	122.5	1.0	152.8	1.2	1.71E-02	136.1	1.1	4.21E-01		
SMYD5	4.3	1.0	5.4	1.2	1.30E-02	4.7	1.1	2.02E-01		
VRK3	3.9	1.0	4.9	1.2	1.30E-02	4.8	1.2	8.78E-01		
FBXW11	12.6	1.0	15.7	1.2	1.31E-02	13.9	1.1	1.90E-01		
IRF2BP1	3.9	1.0	4.8	1.2	4.85E-02	4.7	1.2	7.22E-01		
CMTM6	3.8	1.0	4.7	1.2	2.61E-02	4.2	1.1	3.59E-01		
MAP1S	2.7	1.0	3.4	1.2	4.55E-02	3.0	1.1	3.80E-01		
DDX27	5.6	1.0	6.9	1.2	1.53E-02	6.9	1.2	9.49E-01		
RNF170	2.1	1.0	2.6	1.2	2.55E-02	2.0	-1.0	1.51E-02		
ATG13	8.4	1.0	10.4	1.2	1.65E-02	9.1	1.1	1.86E-01		
PIP4K2B	9.1	1.0	11.4	1.2	4.78E-03	9.4	1.0	6.02E-02		
SCOC	18.9	1.0	23.5	1.2	4.37E-03	19.4	1.0	3.04E-02		
ABCD4	3.4	1.0	4.3	1.2	3.88E-02	3.9	1.1	2.68E-01		
ETV3	2.5	1.0	3.1	1.2	2.54E-02	2.3	-1.1	5.83E-03		
MEF2C	5.7	1.0	7.1	1.2	4.23E-02	6.1	1.1	2.20E-01		
NECAP1	4.7	1.0	5.8	1.2	2.05E-03	5.6	1.2	7.18E-01		
IFT27	5.5	1.0	6.9	1.2	3.75E-02	5.9	1.1	6.48E-02		
PCCB	28.4	1.0	35.3	1.2	3.73E-02	31.6	1.1	2.47E-01		
CHTOP	15.6	1.0	19.5	1.2	3.32E-03	19.9	1.3	7.71E-01		
EIF4E	4.2	1.0	5.2	1.2	1.44E-02	4.7	1.1	3.01E-01		
C18orf8	3.8	1.0	4.8	1.2	1.37E-02	4.0	1.0	9.76E-02		
PPP3R1	6.6	1.0	8.2	1.2	2.04E-02	6.9	1.1	8.23E-02		
SUGT1	7.0	1.0	8.7	1.2	1.10E-03	7.9	1.1	1.42E-01		
BTN2A1	5.8	1.0	7.2	1.2	3.10E-03	6.3	1.1	2.10E-01		
RBM15B	3.6	1.0	4.5	1.2	1.17E-02	3.9	1.1	2.32E-01		
VAC14	4.2	1.0	5.3	1.2	2.30E-02	4.5	1.1	1.45E-01		
NCOA5	4.3	1.0	5.4	1.2	3.88E-02	4.6	1.1	9.64E-02		
ERC1	5.6	1.0	7.0	1.2	7.52E-03	5.5	-1.0	3.25E-02		
EXOC1	6.2	1.0	7.7	1.2	1.87E-03	6.5	1.0	9.05E-02		
MKNK1	8.3	1.0	10.3	1.2	3.65E-02	9.8	1.2	6.25E-01		
HARS2	9.5	1.0	11.9	1.2	1.83E-03	10.2	1.1	6.57E-02		
GGA1	6.6	1.0	8.2	1.2	1.51E-02	7.5	1.1	1.55E-01		

ANKZF1	6.6	1.0	8.2	1.2	1.02E-02	7.3	1.1	3.91E-02		
TAF13	10.5	1.0	13.0	1.2	4.09E-02	11.4	1.1	1.29E-01		
VAMP3	22.1	1.0	27.4	1.2	1.43E-02	22.6	1.0	7.45E-02		
CHST12	3.6	1.0	4.5	1.2	4.59E-02	3.7	1.0	5.70E-02		
CREM	9.9	1.0	12.3	1.2	2.49E-02	11.0	1.1	4.27E-01		
HIATL1	4.9	1.0	6.1	1.2	3.07E-02	5.1	1.0	1.69E-01		
PAIP2	47.1	1.0	58.6	1.2	5.10E-04	48.4	1.0	5.13E-02		
GTF2H3	2.6	1.0	3.2	1.2	4.39E-02	2.5	-1.0	1.35E-01		
C2orf64	5.8	1.0	7.2	1.2	4.39E-02	5.9	1.0	2.60E-02		
SIAH1	6.0	1.0	7.4	1.2	3.63E-02	7.1	1.2	5.28E-01		
HBP1	16.5	1.0	20.4	1.2	2.43E-02	18.0	1.1	2.61E-01		
PCNXL3	2.4	1.0	3.0	1.2	7.82E-03	2.5	1.0	1.40E-01		
CLPTM1L	8.9	1.0	11.0	1.2	1.30E-02	9.0	1.0	3.03E-02		
KIAA1191	18.4	1.0	22.8	1.2	7.73E-03	21.8	1.2	6.15E-01		
PDDC1	2.6	1.0	3.2	1.2	1.07E-02	3.0	1.2	3.60E-01		
RNF4	7.5	1.0	9.3	1.2	3.23E-03	9.1	1.2	8.57E-01		
ZC3H18	4.4	1.0	5.4	1.2	1.40E-02	5.2	1.2	6.72E-01		
SLC25A42	4.8	1.0	6.0	1.2	2.99E-03	5.5	1.1	9.37E-02		
GNB1	35.7	1.0	44.2	1.2	2.21E-02	38.0	1.1	1.71E-01		
PPP1R7	20.5	1.0	25.4	1.2	5.91E-04	23.9	1.2	1.72E-01		
NDFIP1	15.0	1.0	18.6	1.2	8.40E-03	14.7	-1.0	2.88E-02		
TCEA1	10.6	1.0	13.2	1.2	4.47E-02	11.2	1.1	1.86E-01		
USP46	5.2	1.0	6.5	1.2	4.44E-02	5.8	1.1	4.66E-01		
CYB5B	5.5	1.0	6.8	1.2	1.91E-03	5.8	1.1	1.84E-02		
WDR43	2.7	1.0	3.3	1.2	2.72E-02	2.9	1.1	1.85E-01		
RNF25	4.3	1.0	5.4	1.2	1.89E-02	5.2	1.2	7.24E-01		
RUVBL2	14.4	1.0	17.8	1.2	2.27E-03	17.1	1.2	4.85E-01		
GOLPH3L	2.7	1.0	3.3	1.2	1.17E-02	2.6	-1.0	8.15E-02		
TPRA1	4.9	1.0	6.1	1.2	9.06E-03	5.5	1.1	1.70E-01		
ALG13	3.9	1.0	4.8	1.2	5.64E-05	4.2	1.1	1.19E-01		
FAM120B	5.5	1.0	6.8	1.2	3.90E-04	5.8	1.1	1.42E-01		
C17orf75	4.3	1.0	5.4	1.2	8.46E-03	4.9	1.1	3.35E-01		
TAF7	37.4	1.0	46.3	1.2	5.23E-05	42.5	1.1	2.27E-01		
MOB2	10.4	1.0	12.8	1.2	1.06E-02	11.9	1.2	3.65E-01		
GNB2	26.0	1.0	32.2	1.2	3.40E-02	28.4	1.1	1.63E-01		
INTS5	2.2	1.0	2.7	1.2	1.18E-03	2.2	1.0	3.55E-02		
NSF	3.7	1.0	4.5	1.2	1.90E-02	3.8	1.0	1.59E-01		
GGA3	4.8	1.0	5.9	1.2	5.17E-03	5.1	1.1	1.03E-01		
LRRC14	2.7	1.0	3.3	1.2	6.10E-03	2.7	1.0	1.52E-02		
ZNF274	6.7	1.0	8.2	1.2	4.49E-03	7.0	1.1	4.18E-02		
NCL	52.8	1.0	65.4	1.2	9.07E-04	60.6	1.1	4.00E-01		
SAFB	14.8	1.0	18.3	1.2	8.27E-03	16.9	1.1	2.82E-01		
MED27	4.7	1.0	5.8	1.2	8.06E-03	5.2	1.1	1.68E-01		
CEP57	4.8	1.0	5.9	1.2	1.51E-03	5.2	1.1	1.07E-01		
CABIN1	5.1	1.0	6.3	1.2	2.46E-02	5.2	1.0	7.09E-02		
MAN2C1	16.6	1.0	20.6	1.2	2.86E-02	21.7	1.3	3.44E-01		
TAPBP	8.9	1.0	11.0	1.2	1.69E-02	8.1	-1.1	1.26E-02	V	V
GRN	35.2	1.0	43.6	1.2	4.24E-02	32.6	-1.1	3.62E-02	V	V
FBXO9	5.9	1.0	7.3	1.2	1.66E-02	5.3	-1.1	2.29E-03		
ATG4B	6.7	1.0	8.3	1.2	6.21E-03	8.0	1.2	4.70E-01		
MEPCE	6.2	1.0	7.7	1.2	7.66E-03	8.6	1.4	4.42E-01		
CEP68	4.7	1.0	5.8	1.2	4.43E-03	4.6	-1.0	3.16E-02		
CUL4B	4.3	1.0	5.3	1.2	3.86E-02	4.9	1.1	4.64E-01		
AMBRA1	2.5	1.0	3.0	1.2	1.74E-02	2.8	1.1	4.72E-01		
ARF1	94.6	1.0	116.9	1.2	1.27E-04	105.9	1.1	5.23E-02		
BPNT1	2.7	1.0	3.3	1.2	9.93E-04	2.9	1.1	1.83E-01		
C17orf85	3.8	1.0	4.7	1.2	1.45E-02	4.5	1.2	4.55E-01		
TBCC	3.8	1.0	4.7	1.2	2.39E-03	3.4	-1.1	3.60E-03		
TBC1D16	2.5	1.0	3.1	1.2	3.67E-02	2.3	-1.1	7.11E-02		
RPL26L1	9.6	1.0	11.9	1.2	3.39E-03	11.0	1.1	1.98E-01		
EIF4A3	8.0	1.0	9.8	1.2	2.96E-03	9.3	1.2	5.81E-01		
GOLT1B	4.1	1.0	5.0	1.2	8.90E-03	4.5	1.1	3.05E-01		
NPM1	76.4	1.0	94.4	1.2	9.19E-03	96.9	1.3	7.88E-01		
TMEM184B	9.7	1.0	12.0	1.2	4.80E-02	10.9	1.1	4.41E-01		
SAP18	30.0	1.0	37.0	1.2	1.58E-03	36.6	1.2	8.82E-01		
MYL12B	99.6	1.0	122.9	1.2	1.23E-02	112.1	1.1	2.52E-01		
SLC39A6	2.9	1.0	3.6	1.2	2.90E-02	3.1	1.1	3.04E-01		
SUDS3	4.7	1.0	5.8	1.2	1.97E-03	5.2	1.1	2.35E-01		
ARHGEF9	7.6	1.0	9.3	1.2	4.26E-03	7.5	-1.0	7.61E-03		
CSNK1D	13.8	1.0	17.0	1.2	1.41E-03	16.0	1.2	3.47E-01		
TOM1L2	38.3	1.0	47.2	1.2	2.45E-03	42.8	1.1	1.08E-01		
PYCR2	18.4	1.0	22.7	1.2	1.70E-04	18.6	1.0	3.65E-03		
FAF2	3.8	1.0	4.7	1.2	2.79E-02	4.1	1.1	2.45E-01		
AXIN1	2.8	1.0	3.5	1.2	1.72E-02	3.4	1.2	9.24E-01		
BBS2	11.5	1.0	14.2	1.2	3.76E-03	12.6	1.1	5.45E-02		
BCAP31	29.0	1.0	35.8	1.2	1.28E-02	30.5	1.0	7.63E-02		
LAMB2	65.4	1.0	80.7	1.2	4.25E-03	67.7	1.0	3.13E-02		
ZFYVE20	2.9	1.0	3.6	1.2	3.12E-03	2.7	-1.1	5.95E-03		
ERICH1	3.3	1.0	4.0	1.2	1.56E-02	3.9	1.2	6.70E-01		
EIF4G2	120.6	1.0	148.6	1.2	1.88E-03	122.0	1.0	5.86E-02		
IFNGR2	8.0	1.0	9.9	1.2	2.56E-02	8.0	1.0	1.10E-01		
GANAB	25.2	1.0	31.1	1.2	2.24E-02	25.6	1.0	9.67E-02		
GPN1	6.2	1.0	7.6	1.2	1.58E-02	6.0	-1.0	1.96E-02		
YWHAZ	36.4	1.0	44.8	1.2	1.17E-02	37.8	1.0	1.38E-01		

VEZT	7.9	1.0	9.7	1.2	3.20E-03	8.1	1.0	5.69E-02		
ANAPC4	3.6	1.0	4.4	1.2	1.53E-02	3.9	1.1	3.51E-02		
C2orf29	9.0	1.0	11.1	1.2	8.80E-03	10.7	1.2	8.01E-01		
KLHL18	2.3	1.0	2.8	1.2	3.67E-03	2.4	1.0	1.15E-01		
BCAS2	10.6	1.0	13.1	1.2	1.76E-03	11.3	1.1	4.83E-02		
CAND1	3.4	1.0	4.2	1.2	1.75E-02	3.5	1.0	1.26E-01		
YAF2	5.0	1.0	6.1	1.2	4.36E-02	6.3	1.3	7.31E-01		
RNF44	4.3	1.0	5.3	1.2	1.20E-02	4.9	1.1	2.71E-01		
SERTAD2	3.2	1.0	3.9	1.2	1.52E-02	3.0	-1.1	3.62E-02		
PPIE	8.8	1.0	10.8	1.2	2.29E-03	9.3	1.1	2.91E-02		
STX7	7.5	1.0	9.2	1.2	7.96E-03	7.7	1.0	8.37E-02		
EIF4G3	8.1	1.0	9.9	1.2	3.51E-02	8.0	-1.0	1.02E-01		
KCTD5	3.2	1.0	3.9	1.2	2.99E-02	3.5	1.1	2.57E-01		
ANKRD54	2.3	1.0	2.8	1.2	3.34E-02	2.1	-1.1	9.64E-03		
ELOVL1	9.0	1.0	11.1	1.2	4.80E-02	9.0	-1.0	6.18E-02		
LMBR1L	4.4	1.0	5.4	1.2	1.30E-02	5.3	1.2	8.01E-01		
ST3GAL3	6.7	1.0	8.2	1.2	2.59E-02	7.3	1.1	2.89E-03		
WDR85	4.0	1.0	4.9	1.2	4.19E-02	5.0	1.2	7.78E-01		
ELMOD2	2.5	1.0	3.0	1.2	9.65E-04	2.3	-1.1	6.20E-04		
CHMP6	5.7	1.0	7.0	1.2	6.49E-03	6.2	1.1	1.06E-01		
DEF8	7.4	1.0	9.1	1.2	2.42E-03	7.3	-1.0	1.68E-02		
KLHL20	3.6	1.0	4.4	1.2	1.28E-02	3.5	-1.0	5.71E-02		
BBS4	3.9	1.0	4.8	1.2	3.01E-02	4.2	1.1	1.10E-01		
TPRG1L	11.6	1.0	14.3	1.2	1.66E-03	12.0	1.0	5.35E-02		
PHF21A	3.6	1.0	4.5	1.2	1.95E-02	3.9	1.1	1.91E-01		
ZNF513	2.8	1.0	3.5	1.2	2.02E-02	3.3	1.2	5.26E-01		
SNRPA	8.1	1.0	9.9	1.2	4.74E-02	10.0	1.2	9.20E-01		
IPPK	2.1	1.0	2.6	1.2	4.49E-02	2.2	1.0	1.23E-01		
EIF1	193.8	1.0	238.0	1.2	4.32E-04	209.4	1.1	1.80E-01		
PHF8	2.8	1.0	3.5	1.2	4.77E-02	3.4	1.2	7.68E-01		
SF3A3	7.6	1.0	9.4	1.2	3.61E-03	8.6	1.1	3.24E-01		
HDGFRP3	10.0	1.0	12.2	1.2	5.01E-03	11.7	1.2	6.76E-01		
FAM174A	6.7	1.0	8.2	1.2	3.57E-03	7.5	1.1	2.42E-02		
RAB6A	24.3	1.0	29.8	1.2	5.26E-03	26.5	1.1	2.46E-01		
XPO1	12.5	1.0	15.4	1.2	2.72E-02	13.4	1.1	1.95E-01		
TSSC4	5.9	1.0	7.3	1.2	1.81E-02	6.6	1.1	3.11E-01		
FBXO44	3.1	1.0	3.8	1.2	3.76E-02	3.4	1.1	1.40E-01		
MOAP1	5.0	1.0	6.1	1.2	1.14E-02	4.9	-1.0	2.25E-04		
TXNDC12	7.8	1.0	9.6	1.2	1.25E-02	7.7	-1.0	2.64E-02		
SF1	26.0	1.0	31.9	1.2	4.33E-02	31.0	1.2	7.73E-01		
PNO1	2.4	1.0	3.0	1.2	1.01E-02	2.8	1.2	5.15E-01		
ZFAND6	20.8	1.0	25.6	1.2	6.59E-04	23.1	1.1	2.38E-01		
KDM3B	7.6	1.0	9.4	1.2	6.42E-04	8.1	1.1	7.72E-02		
C20orf4	5.2	1.0	6.4	1.2	2.78E-03	5.6	1.1	1.30E-01		
BRE	18.1	1.0	22.2	1.2	9.44E-03	18.9	1.0	2.83E-02		
DPCD	7.3	1.0	9.0	1.2	3.99E-03	7.2	-1.0	1.46E-02		
ZNF766	2.4	1.0	2.9	1.2	2.12E-03	2.4	1.0	4.81E-02		
DHPS	13.8	1.0	16.9	1.2	1.00E-03	14.8	1.1	6.83E-02		
NEU1	6.6	1.0	8.1	1.2	3.72E-04	7.1	1.1	6.67E-02		
EIF2D	9.3	1.0	11.4	1.2	5.24E-03	10.7	1.1	2.57E-01		
WRB	6.5	1.0	8.0	1.2	2.24E-02	6.8	1.1	9.65E-02		
VEGFB	55.5	1.0	68.0	1.2	4.03E-02	57.2	1.0	6.49E-02		
TTC35	17.3	1.0	21.2	1.2	8.04E-03	17.4	1.0	4.22E-02		
SF3A1	8.2	1.0	10.0	1.2	2.60E-02	8.7	1.1	2.90E-01		
CPSF7	11.4	1.0	14.0	1.2	1.11E-02	13.6	1.2	8.08E-01		
PARN	5.6	1.0	6.9	1.2	3.19E-03	5.9	1.1	1.20E-01		
HSF4	4.3	1.0	5.2	1.2	3.77E-02	5.2	1.2	9.17E-01		
SMEK2	4.6	1.0	5.6	1.2	7.99E-03	4.9	1.1	1.90E-01		
TBCA	39.0	1.0	47.8	1.2	9.03E-03	49.8	1.3	5.60E-01		
KIAA1967	9.1	1.0	11.1	1.2	3.34E-03	10.0	1.1	2.09E-01		
PPP1R2	7.3	1.0	9.0	1.2	1.18E-04	7.2	-1.0	1.18E-02		
DDX28	2.6	1.0	3.2	1.2	4.51E-02	2.7	1.1	5.53E-02		
SRSF4	10.5	1.0	12.9	1.2	2.68E-02	12.7	1.2	8.13E-01		
PBX3	11.8	1.0	14.4	1.2	2.86E-02	12.4	1.1	1.03E-01		
HIF1AN	5.3	1.0	6.5	1.2	2.05E-03	5.2	-1.0	5.38E-02		
SNAP23	11.1	1.0	13.6	1.2	9.77E-03	12.7	1.1	4.06E-01		
CTNNB1	36.7	1.0	44.9	1.2	3.00E-03	37.0	1.0	5.41E-02		
WDR24	2.3	1.0	2.8	1.2	4.99E-03	2.4	1.1	1.06E-01		
ACIN1	12.2	1.0	14.9	1.2	1.43E-02	14.6	1.2	8.07E-01		
PDCD7	2.6	1.0	3.2	1.2	1.62E-02	2.7	1.1	1.61E-01		
PPP2R5B	5.4	1.0	6.6	1.2	1.49E-02	5.8	1.1	4.89E-02		
ZNF187	3.1	1.0	3.8	1.2	2.24E-02	3.3	1.1	2.32E-01		
RBM39	27.1	1.0	33.1	1.2	4.04E-03	34.9	1.3	5.05E-01		
SNW1	13.3	1.0	16.3	1.2	2.08E-03	14.0	1.1	9.15E-02		
TAF9B	5.2	1.0	6.3	1.2	2.59E-02	5.2	-1.0	7.89E-02		
MAP2K7	4.9	1.0	6.0	1.2	5.37E-03	5.5	1.1	1.14E-01		
VPS72	9.4	1.0	11.5	1.2	2.93E-03	11.0	1.2	4.94E-01		
SMNDC1	6.2	1.0	7.6	1.2	2.04E-02	7.1	1.1	4.76E-01		
METTL9	7.8	1.0	9.5	1.2	9.93E-03	8.0	1.0	9.51E-02		
CETN3	5.8	1.0	7.1	1.2	2.85E-02	6.4	1.1	3.22E-01		
LEPROTL1	10.2	1.0	12.4	1.2	7.45E-03	9.5	-1.1	2.90E-02		
HEATR6	2.6	1.0	3.2	1.2	1.00E-02	2.5	-1.0	8.66E-02		
PPARD	4.1	1.0	5.0	1.2	2.64E-03	4.7	1.1	3.56E-01		
TCEAL8	8.5	1.0	10.4	1.2	2.40E-02	8.4	-1.0	8.62E-02		

PERP	14.5	1.0	17.8	1.2	1.12E-02	15.4	1.1	3.35E-02		
TBC1D17	12.4	1.0	15.2	1.2	3.36E-02	14.4	1.2	5.25E-01		
AATF	7.6	1.0	9.2	1.2	3.60E-02	7.9	1.0	2.06E-01		
B3GALNT2	3.5	1.0	4.2	1.2	4.14E-02	3.9	1.1	4.01E-01		
DHX40	4.9	1.0	6.0	1.2	1.85E-03	4.9	1.0	3.81E-02		
GALNT11	7.8	1.0	9.6	1.2	3.05E-02	8.2	1.1	1.41E-01		
RCN2	10.5	1.0	12.8	1.2	1.25E-02	9.8	-1.1	1.13E-02		
ABI1	4.7	1.0	5.7	1.2	2.83E-02	5.4	1.1	6.49E-01		
FAM134C	3.8	1.0	4.7	1.2	2.49E-02	4.5	1.2	6.29E-01		
MAGED1	19.0	1.0	23.1	1.2	1.83E-02	19.8	1.0	8.35E-02		
RNF123	7.3	1.0	8.9	1.2	5.85E-05	7.9	1.1	7.41E-02		
SCAF4	3.7	1.0	4.5	1.2	7.50E-03	4.2	1.1	6.08E-01		
SNRNP40	4.9	1.0	6.0	1.2	2.06E-02	5.2	1.1	1.42E-01		
RNPS1	14.7	1.0	18.0	1.2	2.79E-04	16.9	1.1	1.16E-01		
NT5C2	5.4	1.0	6.6	1.2	2.78E-02	6.9	1.3	6.68E-01		
RP9	5.4	1.0	6.6	1.2	2.62E-02	5.9	1.1	2.59E-01		
DET1	2.4	1.0	3.0	1.2	3.42E-02	2.9	1.2	7.75E-01		
SKP1	81.8	1.0	99.8	1.2	9.82E-05	85.8	1.0	2.17E-02		
C11orf10	32.5	1.0	39.6	1.2	7.26E-03	36.4	1.1	2.03E-01		
DDX23	10.9	1.0	13.2	1.2	2.05E-02	11.2	1.0	1.56E-01		
XPO7	8.7	1.0	10.7	1.2	3.71E-03	9.0	1.0	1.37E-01		
TAOK2	9.0	1.0	10.9	1.2	1.08E-03	8.6	-1.0	2.13E-02		
SURF6	5.6	1.0	6.9	1.2	8.03E-03	6.5	1.2	4.99E-01		
C6orf35	3.4	1.0	4.2	1.2	5.11E-03	3.5	1.0	9.21E-03		
BRD2	22.9	1.0	27.9	1.2	4.33E-02	27.5	1.2	9.01E-01		
PPP1R12C	43.3	1.0	52.8	1.2	8.60E-03	50.0	1.2	5.12E-01		
TTLL5	2.3	1.0	2.8	1.2	3.24E-02	2.3	1.0	6.21E-02		
APEX2	4.0	1.0	4.8	1.2	1.08E-02	4.3	1.1	1.30E-01		
CARS	4.1	1.0	5.0	1.2	2.88E-02	4.7	1.1	4.63E-01		
MAK16	2.0	1.0	2.5	1.2	9.89E-03	2.5	1.2	8.89E-01		
NSFL1C	10.5	1.0	12.8	1.2	6.19E-03	11.7	1.1	2.09E-01		
FDFT1	19.1	1.0	23.3	1.2	1.74E-02	19.3	1.0	3.47E-02		
FNDC3A	4.4	1.0	5.4	1.2	3.17E-02	4.1	-1.1	2.59E-02		
GRINA	21.8	1.0	26.5	1.2	2.38E-02	24.2	1.1	4.36E-01		
KDM2A	7.6	1.0	9.3	1.2	2.51E-02	8.2	1.1	2.61E-01		
STK35	3.4	1.0	4.2	1.2	8.06E-03	3.5	1.0	1.09E-02		
SNRPB2	6.2	1.0	7.5	1.2	3.81E-05	6.9	1.1	1.40E-01		
SUMO1	19.5	1.0	23.8	1.2	1.28E-02	21.5	1.1	2.94E-01		
LSM7	9.7	1.0	11.9	1.2	4.14E-02	12.2	1.2	7.31E-01		
PSMC4	20.3	1.0	24.7	1.2	8.97E-04	22.1	1.1	1.03E-01		
ARMCX3	6.8	1.0	8.3	1.2	5.22E-04	7.1	1.0	4.37E-02		
FTSJ2	3.6	1.0	4.4	1.2	1.67E-02	3.6	1.0	8.61E-02		
EXOSC8	5.0	1.0	6.1	1.2	6.61E-04	6.3	1.3	4.64E-01		
CANT1	4.0	1.0	4.9	1.2	3.79E-03	3.9	-1.0	5.16E-03		
KDM4C	2.6	1.0	3.1	1.2	2.14E-02	2.5	-1.0	4.58E-02		
RAB28	7.3	1.0	8.9	1.2	1.86E-02	8.4	1.1	2.37E-01		
GSS	6.5	1.0	7.9	1.2	2.50E-02	7.4	1.1	3.95E-01		
BRD7	13.5	1.0	16.4	1.2	3.44E-03	14.2	1.1	8.08E-02		
NAA35	3.9	1.0	4.7	1.2	5.69E-03	3.6	-1.1	6.62E-03		
C1GALT1C1	6.4	1.0	7.8	1.2	2.56E-02	6.6	1.0	1.02E-01		
CCDC43	5.7	1.0	6.9	1.2	1.78E-02	5.4	-1.1	5.04E-02		
MANBA	4.1	1.0	5.0	1.2	4.79E-02	3.5	-1.2	5.20E-03		
RER1	13.7	1.0	16.6	1.2	5.18E-04	13.4	-1.0	2.65E-03		
ZNF496	3.0	1.0	3.6	1.2	3.91E-02	3.0	1.0	5.66E-02		
ZNF706	5.8	1.0	7.1	1.2	2.49E-02	6.9	1.2	7.98E-01		
SPRYD3	12.3	1.0	14.9	1.2	1.78E-02	13.2	1.1	2.00E-01		
COPS8	17.8	1.0	21.6	1.2	4.11E-04	17.6	-1.0	4.85E-04		
FOPNL	4.6	1.0	5.6	1.2	3.40E-02	5.0	1.1	2.59E-01		
SPTAN1	31.4	1.0	38.1	1.2	2.16E-02	29.5	-1.1	4.21E-02		
C17orf61	18.8	1.0	22.9	1.2	3.30E-02	21.5	1.1	2.49E-01		
BCLAF1	8.7	1.0	10.6	1.2	6.80E-03	9.4	1.1	1.66E-01		
DARS	14.7	1.0	17.9	1.2	3.24E-04	14.6	-1.0	4.57E-02		
ATG14	4.6	1.0	5.6	1.2	4.64E-02	5.3	1.1	5.69E-01		
ERLEC1	10.7	1.0	13.0	1.2	8.04E-03	11.2	1.0	1.60E-01		
TM2D1	8.8	1.0	10.6	1.2	6.52E-03	8.7	-1.0	6.77E-03		
ZNF629	5.1	1.0	6.2	1.2	2.21E-02	4.9	-1.1	5.37E-04		
SRSF6	14.6	1.0	17.8	1.2	2.32E-03	19.3	1.3	3.07E-01		
MAPRE3	13.8	1.0	16.8	1.2	2.29E-02	15.3	1.1	1.37E-01		
POGK	4.2	1.0	5.1	1.2	4.51E-02	4.8	1.2	5.13E-01		
CCT4	19.4	1.0	23.5	1.2	1.27E-02	20.6	1.1	1.24E-01		
PCIF1	7.1	1.0	8.7	1.2	3.31E-02	8.1	1.1	4.11E-01		
GGPS1	4.7	1.0	5.7	1.2	1.64E-02	5.1	1.1	2.21E-01		
DENR	3.8	1.0	4.6	1.2	5.02E-03	4.0	1.1	1.41E-01		
SFT2D1	6.8	1.0	8.3	1.2	4.55E-02	7.5	1.1	3.97E-01		
NUDCD3	11.7	1.0	14.2	1.2	5.04E-04	12.4	1.1	1.13E-01		
TBL1XR1	7.3	1.0	8.9	1.2	2.68E-02	7.9	1.1	2.17E-01		
MYST2	10.1	1.0	12.3	1.2	1.83E-03	10.6	1.0	8.90E-02		
CENPB	10.5	1.0	12.7	1.2	1.29E-02	10.7	1.0	4.78E-02		
GTPBP4	9.1	1.0	11.0	1.2	2.21E-03	9.4	1.0	7.63E-02		
TRAK1	24.7	1.0	29.9	1.2	3.47E-02	27.6	1.1	3.00E-01		
SIN3B	5.9	1.0	7.2	1.2	4.75E-02	7.8	1.3	3.45E-01		
KIAA2013	11.5	1.0	14.0	1.2	1.68E-02	11.2	-1.0	5.69E-03		
REPS1	6.6	1.0	8.1	1.2	2.01E-02	7.5	1.1	4.44E-01		
PFKP	44.7	1.0	54.2	1.2	2.85E-02	48.3	1.1	5.41E-02		

BAZ2A	6.2	1.0	7.6	1.2	1.64E-02	7.1	1.1	5.18E-01		
HN1	2.6	1.0	3.1	1.2	2.23E-02	2.6	1.0	2.75E-01		
SGSM3	7.1	1.0	8.6	1.2	2.99E-03	8.1	1.1	4.52E-01		
ERH	27.3	1.0	33.1	1.2	4.34E-03	33.4	1.2	9.12E-01		
ZNF688	3.1	1.0	3.8	1.2	1.06E-02	2.9	-1.1	1.80E-03		
ELP3	5.4	1.0	6.6	1.2	8.23E-03	5.6	1.0	1.64E-01		
KIAA0495	4.1	1.0	4.9	1.2	3.96E-02	4.3	1.1	4.51E-02		
TBC1D13	4.4	1.0	5.3	1.2	4.30E-03	4.8	1.1	1.08E-01		
IKBKG	4.2	1.0	5.1	1.2	3.65E-02	4.9	1.2	7.05E-01		
MSL1	7.4	1.0	9.0	1.2	1.35E-02	7.2	-1.0	3.83E-02		
C20orf108	11.5	1.0	13.9	1.2	1.29E-03	9.9	-1.2	6.54E-04		
SRRM1	10.4	1.0	12.6	1.2	8.30E-03	12.4	1.2	7.60E-01		
MCM3	6.3	1.0	7.7	1.2	1.97E-03	6.6	1.0	2.38E-02		
KIAA0284	2.9	1.0	3.5	1.2	2.92E-02	3.0	1.0	1.52E-01		
SIVA1	12.8	1.0	15.5	1.2	4.79E-02	14.2	1.1	1.46E-01		
COG7	3.5	1.0	4.2	1.2	1.70E-02	3.8	1.1	1.42E-01		
C17orf79	12.0	1.0	14.5	1.2	4.45E-03	12.0	1.0	9.04E-03		
LSM2	6.6	1.0	8.0	1.2	3.24E-02	7.5	1.1	3.25E-01		
SGPL1	1.9	1.0	2.4	1.2	2.08E-02	2.0	1.0	1.10E-01		
TRIM28	17.5	1.0	21.2	1.2	1.64E-03	20.0	1.1	3.67E-01		
STK16	3.2	1.0	3.9	1.2	2.26E-02	3.4	1.1	1.52E-01		
DCTN6	20.4	1.0	24.6	1.2	2.35E-04	23.1	1.1	2.11E-01		
HNRNPK	64.0	1.0	77.4	1.2	1.12E-03	71.2	1.1	3.16E-01		
C18orf32	12.7	1.0	15.3	1.2	7.50E-03	13.8	1.1	2.26E-01		
CHMP2B	8.3	1.0	10.1	1.2	2.18E-03	8.5	1.0	3.83E-02		
SERINC3	25.4	1.0	30.7	1.2	1.23E-02	23.7	-1.1	1.87E-02		
SSSCA1	7.8	1.0	9.4	1.2	2.57E-02	9.1	1.2	7.14E-01		
EXOC7	13.3	1.0	16.1	1.2	8.35E-03	14.1	1.1	1.01E-01		
DYNC1LI1	16.3	1.0	19.8	1.2	4.57E-03	16.6	1.0	3.16E-02		
YIPF3	21.0	1.0	25.4	1.2	5.78E-03	22.3	1.1	6.74E-02		
B3GNT1	9.9	1.0	11.9	1.2	8.84E-03	8.4	-1.2	7.86E-05		
TH1L	8.0	1.0	9.7	1.2	1.36E-02	8.9	1.1	2.95E-01		
OBFC2B	3.9	1.0	4.7	1.2	3.82E-02	3.8	-1.0	7.58E-02		
SIRT1	3.0	1.0	3.6	1.2	4.30E-02	3.7	1.2	9.51E-01		
KATNB1	2.6	1.0	3.2	1.2	2.98E-02	2.6	-1.0	4.95E-03		
RNF114	11.2	1.0	13.6	1.2	1.65E-02	11.4	1.0	1.20E-01		
SET	22.1	1.0	26.7	1.2	1.28E-02	24.0	1.1	1.68E-01		
C20orf111	10.6	1.0	12.8	1.2	1.27E-02	12.4	1.2	7.73E-01		
SF3B3	5.8	1.0	7.0	1.2	2.76E-03	6.1	1.1	8.96E-02		
NECAB3	11.7	1.0	14.1	1.2	1.80E-03	12.4	1.1	1.35E-02		
HABP4	9.3	1.0	11.2	1.2	2.12E-02	10.3	1.1	2.35E-01		
WDR45L	13.2	1.0	16.0	1.2	7.78E-03	15.1	1.1	5.38E-01		
NADSYN1	4.4	1.0	5.3	1.2	4.16E-02	4.5	1.0	2.66E-03		
PSMC1	48.5	1.0	58.5	1.2	2.02E-03	51.3	1.1	1.31E-01		
SH3BP5L	6.0	1.0	7.2	1.2	4.51E-02	6.7	1.1	5.32E-01		
XRCC1	3.7	1.0	4.5	1.2	3.13E-02	4.1	1.1	4.21E-01		
TMEM57	3.6	1.0	4.3	1.2	9.78E-03	3.4	-1.1	4.80E-03		
ARFGAP2	14.9	1.0	18.0	1.2	1.84E-02	15.9	1.1	5.92E-02		
ACTL6A	5.9	1.0	7.1	1.2	1.06E-02	6.1	1.0	1.65E-01		
KATNA1	3.7	1.0	4.5	1.2	1.64E-02	3.9	1.1	2.77E-01		
PSMA1	36.4	1.0	43.9	1.2	9.49E-04	38.0	1.0	2.41E-02		
TSR2	15.6	1.0	18.8	1.2	1.15E-02	18.4	1.2	7.93E-01		
CREBL2	5.6	1.0	6.8	1.2	4.66E-02	5.6	1.0	1.65E-01		
NOLC1	7.2	1.0	8.7	1.2	5.79E-03	7.6	1.0	8.76E-02		
CD2BP2	5.4	1.0	6.5	1.2	1.38E-02	5.9	1.1	1.13E-01		
ZNF512	5.3	1.0	6.4	1.2	1.05E-02	5.9	1.1	3.14E-01		
THTPA	5.4	1.0	6.5	1.2	1.44E-02	5.9	1.1	3.79E-01		
LCMT1	8.8	1.0	10.6	1.2	1.84E-04	9.6	1.1	2.79E-01		
RBM22	7.6	1.0	9.2	1.2	2.32E-02	8.9	1.2	8.08E-01		
HIP1	3.2	1.0	3.9	1.2	3.54E-02	2.8	-1.2	7.49E-02		
GRIPAP1	7.4	1.0	8.9	1.2	1.02E-02	8.5	1.1	4.99E-01		
AMZ2	21.5	1.0	26.0	1.2	1.64E-03	22.6	1.0	1.01E-01		
SAP130	4.0	1.0	4.8	1.2	4.88E-02	4.0	1.0	1.60E-01		
POMT1	5.2	1.0	6.3	1.2	2.93E-03	5.9	1.1	3.08E-01		
UBE2S	5.9	1.0	7.1	1.2	4.20E-02	6.7	1.1	5.44E-01		
SCRIB	4.2	1.0	5.1	1.2	2.70E-02	4.6	1.1	2.40E-01		
PLEKHM1	3.9	1.0	4.7	1.2	3.20E-02	4.5	1.2	7.30E-01		
GOPC	7.0	1.0	8.4	1.2	1.92E-02	7.3	1.0	2.11E-01		
LMTK2	4.9	1.0	5.9	1.2	4.91E-02	5.0	1.0	2.26E-01		
BICD2	8.8	1.0	10.6	1.2	2.82E-02	8.8	1.0	9.36E-02		
ECD	5.2	1.0	6.3	1.2	4.87E-02	6.0	1.2	6.51E-01		
C11orf68	12.0	1.0	14.5	1.2	4.51E-02	13.7	1.1	3.66E-01		
MARS	12.6	1.0	15.2	1.2	9.76E-04	13.1	1.0	7.98E-02		
MPPE1	4.3	1.0	5.2	1.2	4.05E-02	4.3	1.0	1.91E-02		
CNIH4	8.9	1.0	10.7	1.2	1.18E-02	9.4	1.0	9.74E-02		
TMEM199	4.7	1.0	5.6	1.2	8.04E-03	5.0	1.1	1.31E-01		
VPS28	31.4	1.0	37.8	1.2	9.39E-03	36.7	1.2	5.49E-01		
ENOPH1	5.4	1.0	6.5	1.2	1.57E-03	5.5	1.0	4.74E-02		
SPNS1	4.8	1.0	5.8	1.2	1.80E-02	5.2	1.1	2.72E-01		
CARKD	8.0	1.0	9.7	1.2	1.41E-03	8.8	1.1	9.67E-02		
TMBIM4	9.4	1.0	11.3	1.2	3.90E-02	9.5	1.0	4.62E-02		
COG4	9.9	1.0	11.9	1.2	2.72E-02	10.4	1.0	9.24E-02		
SMARCC2	10.9	1.0	13.1	1.2	4.29E-02	11.7	1.1	3.46E-01		
TCF25	16.6	1.0	20.0	1.2	8.72E-03	18.3	1.1	3.17E-01		

FTSJ3	7.1	1.0	8.5	1.2	3.02E-02	7.3	1.0	9.79E-02		
TM2D3	12.5	1.0	15.0	1.2	3.58E-03	14.2	1.1	3.96E-01		
FAM3C	16.0	1.0	19.2	1.2	5.49E-03	15.4	-1.0	4.85E-02		
WDR6	16.3	1.0	19.6	1.2	1.91E-02	17.7	1.1	9.37E-02		
TFCP2	4.8	1.0	5.7	1.2	1.10E-04	4.9	1.0	1.34E-02		
TMEM14C	30.7	1.0	36.9	1.2	3.57E-02	31.9	1.0	1.84E-02		
ARIH2	27.0	1.0	32.4	1.2	4.54E-02	29.2	1.1	3.87E-01		
C16orf72	6.8	1.0	8.1	1.2	1.72E-03	6.6	-1.0	1.71E-02		
BRIX1	5.3	1.0	6.4	1.2	3.62E-02	6.8	1.3	5.28E-01		
VPS39	12.7	1.0	15.2	1.2	5.06E-04	12.8	1.0	7.14E-03		
DIABLO	6.8	1.0	8.2	1.2	5.45E-04	7.6	1.1	1.95E-01		
BAG5	3.7	1.0	4.4	1.2	1.64E-02	3.4	-1.1	3.69E-02		
NMT1	10.1	1.0	12.1	1.2	1.17E-03	10.0	-1.0	5.09E-02		
RABL5	4.1	1.0	4.9	1.2	2.70E-02	3.7	-1.1	1.62E-03		
VTI1B	24.7	1.0	29.7	1.2	2.48E-02	25.3	1.0	8.00E-02		
PIN1	23.3	1.0	28.0	1.2	1.21E-02	25.2	1.1	1.08E-01		
KIAA0355	4.2	1.0	5.0	1.2	4.87E-02	4.4	1.1	1.89E-01		
VPS11	6.4	1.0	7.7	1.2	2.71E-02	7.2	1.1	5.50E-01		
CSTF1	4.9	1.0	5.8	1.2	4.92E-04	4.9	1.0	7.02E-02		
ABHD16A	7.7	1.0	9.2	1.2	1.72E-02	7.5	-1.0	5.05E-02		
JMY	1.9	1.0	2.3	1.2	2.18E-02	2.0	1.0	9.61E-02		
FNIP1	3.6	1.0	2.9	-1.3	4.10E-02	2.9	-1.2	9.56E-01		
TMEM168	5.7	1.0	4.5	-1.3	1.79E-02	4.4	-1.3	7.05E-01		
NDUFS6	121.7	1.0	97.1	-1.3	1.04E-02	107.4	-1.1	2.36E-01		
SLC25A12	31.5	1.0	25.1	-1.3	8.20E-03	21.2	-1.5	1.44E-02		
AKAP1	47.0	1.0	37.5	-1.3	3.17E-02	33.6	-1.4	1.84E-01		
LARP1B	4.9	1.0	3.9	-1.3	1.30E-02	3.5	-1.4	5.85E-02		
SPATA13	2.9	1.0	2.3	-1.3	9.23E-03	2.0	-1.4	3.58E-01		
OCIAD2	5.4	1.0	4.3	-1.3	3.54E-02	4.1	-1.3	7.75E-01		
SLC25A46	16.2	1.0	12.9	-1.3	7.83E-03	11.1	-1.5	1.70E-01		
MAP3K5	7.2	1.0	5.7	-1.3	1.59E-02	5.8	-1.2	7.27E-01		
PPP1R13L	23.5	1.0	18.7	-1.3	1.13E-02	18.8	-1.2	8.79E-01		
NBAS	6.2	1.0	4.9	-1.3	2.74E-03	4.1	-1.5	7.09E-02		
C7orf70	6.8	1.0	5.4	-1.3	2.06E-04	5.5	-1.2	8.80E-01		
TACC1	14.8	1.0	11.7	-1.3	3.26E-02	14.7	-1.0	2.03E-01		
UBAP2	6.4	1.0	5.1	-1.3	2.97E-03	5.7	-1.1	3.26E-01		
ZBTB43	5.2	1.0	4.1	-1.3	2.06E-02	3.5	-1.5	2.40E-01		
MACROD1	25.3	1.0	20.0	-1.3	2.65E-04	23.5	-1.1	1.85E-02		
GPRC5B	21.5	1.0	17.0	-1.3	1.34E-02	15.1	-1.4	3.24E-01		
NDRG4	180.9	1.0	143.1	-1.3	1.70E-02	135.0	-1.3	5.98E-01		
YTHDC2	3.6	1.0	2.8	-1.3	4.19E-02	2.7	-1.3	6.96E-01		
TEK	8.3	1.0	6.6	-1.3	1.37E-02	5.7	-1.4	4.73E-01		
RCSD1	13.4	1.0	10.6	-1.3	4.03E-02	9.8	-1.4	5.29E-01		
MTUS1	39.1	1.0	30.9	-1.3	1.22E-02	40.9	1.0	7.09E-03	V	V
NDUFB10	213.4	1.0	168.5	-1.3	7.71E-04	171.6	-1.2	8.29E-01		
C22orf13	22.7	1.0	17.9	-1.3	3.26E-03	15.3	-1.5	4.70E-02		
GPR56	6.2	1.0	4.9	-1.3	1.61E-02	6.2	1.0	1.48E-01		
PIK3CB	6.0	1.0	4.8	-1.3	2.86E-02	3.6	-1.7	1.11E-01		
MRPL34	21.1	1.0	16.7	-1.3	3.01E-02	15.8	-1.3	4.18E-01		
RAVER2	6.0	1.0	4.8	-1.3	7.09E-03	4.8	-1.3	9.08E-01		
NDUFB9	206.7	1.0	162.7	-1.3	9.88E-04	183.0	-1.1	1.62E-01		
COX5A	376.3	1.0	296.1	-1.3	1.49E-03	300.3	-1.3	8.79E-01		
PHKA2	7.6	1.0	6.0	-1.3	4.03E-03	5.5	-1.4	2.27E-01		
DNAJC19	17.2	1.0	13.5	-1.3	4.16E-03	14.7	-1.2	3.11E-01		
GALK1	3.8	1.0	2.9	-1.3	1.42E-02	3.0	-1.3	9.54E-01		
ARHGAP29	5.4	1.0	4.2	-1.3	1.64E-02	3.3	-1.6	8.01E-02		
C11orf67	30.5	1.0	23.8	-1.3	1.11E-02	30.0	-1.0	4.15E-02	V	V
PRKCE	2.4	1.0	1.9	-1.3	8.98E-03	1.7	-1.4	1.24E-01		
IGF2R	16.4	1.0	12.8	-1.3	3.26E-03	11.3	-1.5	1.51E-01		
KIAA0564	8.6	1.0	6.7	-1.3	3.14E-02	6.2	-1.4	6.84E-01		
ATP5G1	140.6	1.0	109.4	-1.3	3.57E-03	123.6	-1.1	2.29E-01		
PXMP2	14.1	1.0	11.0	-1.3	3.22E-02	9.7	-1.5	4.28E-01		
RBFOX1	11.6	1.0	9.0	-1.3	1.46E-02	8.6	-1.4	5.98E-01		
TEAD1	10.5	1.0	8.2	-1.3	3.37E-02	7.1	-1.5	3.41E-01		
TBC1D4	17.0	1.0	13.2	-1.3	3.50E-02	14.1	-1.2	5.38E-01		
TMEM65	9.7	1.0	7.5	-1.3	1.77E-02	7.2	-1.3	6.05E-01		
C14orf142	5.5	1.0	4.2	-1.3	1.56E-02	4.2	-1.3	9.16E-01		
PARVB	26.2	1.0	20.3	-1.3	3.22E-02	18.5	-1.4	2.01E-01		
KAT2B	14.8	1.0	11.4	-1.3	7.79E-03	10.3	-1.4	3.18E-01		
CYYR1	7.1	1.0	5.5	-1.3	2.62E-02	5.0	-1.4	4.46E-01		
DECR1	123.5	1.0	95.5	-1.3	1.13E-02	93.0	-1.3	8.05E-01		
GLUL	60.3	1.0	46.6	-1.3	8.87E-03	67.7	1.1	9.75E-02		
AHCY	22.0	1.0	17.0	-1.3	1.69E-03	16.1	-1.4	3.87E-01		
PKP2	95.0	1.0	73.4	-1.3	1.53E-02	78.5	-1.2	6.72E-01		
PTPRB	7.7	1.0	5.9	-1.3	2.18E-02	5.2	-1.5	4.58E-01		
ATP1B1	84.9	1.0	65.5	-1.3	1.32E-02	60.6	-1.4	3.44E-01		
TEAD2	16.3	1.0	12.5	-1.3	1.39E-02	13.0	-1.2	6.42E-01		
GMPR	38.3	1.0	29.6	-1.3	7.04E-03	31.8	-1.2	4.88E-01		
TSPAN14	7.4	1.0	5.7	-1.3	1.42E-02	5.4	-1.4	5.06E-01		
NDUFB1	140.9	1.0	108.6	-1.3	6.14E-03	122.4	-1.2	3.92E-01		
WWP1	25.6	1.0	19.7	-1.3	7.29E-03	15.9	-1.6	1.37E-01		
PTER	2.5	1.0	2.0	-1.3	3.46E-02	1.6	-1.6	1.30E-01		
ACADVL	279.5	1.0	215.0	-1.3	1.41E-03	210.3	-1.3	7.65E-01		
ERCC1	28.6	1.0	22.0	-1.3	7.81E-05	24.1	-1.2	1.09E-01		

C6orf136	13.1	1.0	10.1	-1.3	2.48E-03	11.1	-1.2	3.13E-01		
LRRC39	53.9	1.0	41.3	-1.3	3.35E-02	39.7	-1.4	7.44E-01		
FBXL5	22.5	1.0	17.2	-1.3	7.93E-05	15.5	-1.5	2.30E-01		
SLC7A6	14.3	1.0	11.0	-1.3	1.26E-02	13.4	-1.1	2.11E-01		
TSPAN13	6.8	1.0	5.2	-1.3	3.61E-02	6.9	1.0	1.47E-01		
SOD2	117.8	1.0	90.1	-1.3	3.96E-02	75.1	-1.6	4.06E-02		
EGLN1	11.8	1.0	9.0	-1.3	1.59E-03	9.2	-1.3	9.05E-01		
MTIF3	53.2	1.0	40.6	-1.3	5.55E-03	43.2	-1.2	5.33E-01		
ProSAPiP1	3.9	1.0	2.9	-1.3	6.36E-04	3.1	-1.2	6.18E-01		
UQCRB	99.4	1.0	75.8	-1.3	3.90E-03	86.7	-1.1	2.51E-01		
MCCC2	18.5	1.0	14.1	-1.3	1.33E-02	12.0	-1.5	2.97E-03		
FOXN3	13.8	1.0	10.5	-1.3	2.10E-03	9.7	-1.4	3.19E-01		
USP28	22.6	1.0	17.1	-1.3	1.95E-02	16.6	-1.4	8.45E-01		
PPP1R13B	16.8	1.0	12.8	-1.3	9.23E-03	12.1	-1.4	5.85E-01		
UBR3	14.0	1.0	10.6	-1.3	2.17E-02	8.5	-1.6	1.46E-01		
DBI	187.8	1.0	142.0	-1.3	4.63E-03	152.9	-1.2	2.88E-01		
ISOC1	24.1	1.0	18.2	-1.3	1.05E-02	16.3	-1.5	3.03E-01		
HADHA	156.7	1.0	118.4	-1.3	3.85E-03	117.3	-1.3	9.36E-01		
PGP	9.4	1.0	7.1	-1.3	6.48E-04	7.0	-1.3	7.97E-01		
ECHDC3	18.3	1.0	13.8	-1.3	1.53E-02	15.7	-1.2	4.36E-01		
TTN	93.0	1.0	70.0	-1.3	1.54E-02	64.3	-1.4	6.03E-01		
MTERFD1	11.0	1.0	8.3	-1.3	1.56E-02	8.1	-1.4	9.14E-01		
PPP2R3A	15.6	1.0	11.7	-1.3	3.14E-02	12.6	-1.2	7.26E-01		
ADCK3	79.1	1.0	59.5	-1.3	2.99E-02	55.9	-1.4	5.36E-01		
LPIN1	8.8	1.0	6.6	-1.3	1.47E-02	7.3	-1.2	3.96E-01		
GPX3	307.2	1.0	230.6	-1.3	1.44E-02	199.6	-1.5	2.13E-01		
TMEM150C	4.9	1.0	3.7	-1.3	9.89E-03	3.3	-1.5	4.63E-01		
NCOA3	5.5	1.0	4.1	-1.3	3.50E-03	4.4	-1.2	5.41E-01		
STARD8	3.4	1.0	2.6	-1.3	4.49E-03	4.1	1.2	3.20E-02		
OSBPL11	3.6	1.0	2.7	-1.3	4.16E-02	2.7	-1.3	9.88E-01		
PLA2G12A	4.7	1.0	3.5	-1.3	3.09E-02	2.9	-1.6	1.81E-02		
ICAM3	3.8	1.0	2.8	-1.3	4.05E-02	2.5	-1.5	2.56E-01		
SLC25A36	16.2	1.0	12.1	-1.3	3.76E-03	13.9	-1.2	2.05E-01		
IDH2	240.9	1.0	179.1	-1.3	8.44E-03	189.2	-1.3	5.37E-01		
CBFA2T3	3.1	1.0	2.3	-1.3	8.53E-03	3.2	1.0	2.00E-02	V	V
MARK3	21.7	1.0	16.1	-1.4	1.56E-03	14.4	-1.5	3.37E-01		
ITGA6	13.4	1.0	9.9	-1.4	2.02E-03	11.7	-1.1	4.49E-01		
DAAM1	8.1	1.0	6.0	-1.4	2.96E-02	4.6	-1.8	1.33E-01		
KCNH2	24.4	1.0	18.0	-1.4	1.73E-02	17.0	-1.4	5.15E-01		
COX7B	667.4	1.0	489.8	-1.4	2.56E-04	542.3	-1.2	3.64E-01		
C1orf183	3.1	1.0	2.2	-1.4	3.82E-02	3.2	1.0	5.19E-03	V	V
BCKDHB	9.8	1.0	7.2	-1.4	1.05E-02	5.4	-1.8	2.92E-02		
SLC41A1	74.5	1.0	54.5	-1.4	9.70E-03	44.8	-1.7	3.67E-02		
STARD10	10.2	1.0	7.5	-1.4	3.69E-02	8.0	-1.3	4.82E-01		
TGFBR3	6.0	1.0	4.4	-1.4	2.11E-02	4.0	-1.5	4.67E-01		
AGTPBP1	8.1	1.0	5.9	-1.4	4.81E-03	4.9	-1.6	6.16E-02		
PLXNB1	8.2	1.0	6.0	-1.4	1.28E-02	5.7	-1.4	6.77E-01		
RORC	4.6	1.0	3.3	-1.4	2.08E-02	3.8	-1.2	1.30E-01		
TMEM177	2.4	1.0	1.7	-1.4	2.96E-02	1.9	-1.3	4.80E-01		
COX6A2	652.6	1.0	471.8	-1.4	1.26E-02	622.6	-1.0	1.23E-01		
JPH2	37.3	1.0	26.9	-1.4	4.15E-02	32.9	-1.1	2.05E-01		
APOBEC2	66.8	1.0	48.3	-1.4	6.67E-03	42.8	-1.6	3.28E-01		
C10orf58	25.9	1.0	18.7	-1.4	4.92E-04	16.8	-1.5	3.55E-01		
CALCOCO2	60.2	1.0	43.4	-1.4	1.40E-04	43.2	-1.4	9.67E-01		
SLC4A7	1.8	1.0	1.3	-1.4	1.11E-02	1.6	-1.1	9.62E-02		
GPD1L	72.8	1.0	52.3	-1.4	3.02E-02	39.7	-1.8	5.67E-03		
PLN	792.3	1.0	568.5	-1.4	2.70E-04	589.6	-1.3	7.62E-01		
NHLRC2	4.3	1.0	3.1	-1.4	2.48E-02	2.9	-1.5	7.10E-01		
C10orf54	9.8	1.0	7.0	-1.4	1.86E-02	6.3	-1.5	3.75E-01		
ACSS3	5.8	1.0	4.1	-1.4	9.87E-03	3.9	-1.5	7.70E-01		
MFSD6	5.9	1.0	4.2	-1.4	5.15E-03	4.1	-1.4	8.39E-01		
C19orf47	17.3	1.0	12.4	-1.4	7.61E-04	13.3	-1.3	4.36E-01		
HAND1	8.0	1.0	5.7	-1.4	9.95E-03	5.4	-1.5	7.65E-01		
FAM78A	8.0	1.0	5.7	-1.4	2.58E-02	5.2	-1.6	4.61E-01		
DOCK9	7.7	1.0	5.5	-1.4	6.79E-03	6.4	-1.2	2.79E-01		
SLC29A2	5.6	1.0	4.0	-1.4	1.26E-03	5.0	-1.1	1.12E-01		
CYP4V2	3.5	1.0	2.5	-1.4	3.39E-02	2.4	-1.5	8.31E-01		
GPR133	12.9	1.0	9.2	-1.4	2.73E-02	7.5	-1.7	6.31E-02		
PLCL1	16.0	1.0	11.3	-1.4	1.19E-02	10.3	-1.6	6.03E-01		
DSC2	5.4	1.0	3.8	-1.4	1.24E-02	3.4	-1.6	3.17E-01		
TRPM7	4.7	1.0	3.3	-1.4	9.82E-04	3.0	-1.6	2.24E-01		
ITPKB	4.8	1.0	3.4	-1.4	2.00E-02	2.8	-1.7	1.74E-01		
PIP5K1B	17.1	1.0	12.0	-1.4	8.45E-03	10.5	-1.6	1.24E-01		
STRADB	15.7	1.0	11.1	-1.4	3.67E-05	11.2	-1.4	9.41E-01		
LOC389333	8.7	1.0	6.1	-1.4	1.55E-02	5.9	-1.5	8.34E-01		
FNDC5	14.7	1.0	10.4	-1.4	7.33E-03	10.9	-1.3	6.17E-01		
MRPL48	10.5	1.0	7.4	-1.4	1.68E-04	8.6	-1.2	1.28E-01		
ESRRG	5.3	1.0	3.7	-1.4	3.10E-02	3.0	-1.8	5.28E-02		
SYT7	4.7	1.0	3.3	-1.4	1.48E-02	3.1	-1.5	6.81E-01		
SPATA24	3.4	1.0	2.4	-1.4	2.01E-02	2.9	-1.2	4.37E-01		
TMEM88	13.7	1.0	9.6	-1.4	4.56E-03	9.9	-1.4	8.55E-01		
PTP4A3	173.4	1.0	121.3	-1.4	2.30E-02	131.3	-1.3	5.07E-01		
TMTC1	5.7	1.0	4.0	-1.4	3.66E-04	3.4	-1.7	1.47E-01		
SELENBP1	24.3	1.0	16.9	-1.4	2.36E-02	17.7	-1.4	7.26E-01		

NCEH1	9.8	1.0	6.8	-1.4	7.04E-03	7.4	-1.3	5.68E-01		
GTF3A	68.4	1.0	47.5	-1.4	1.06E-04	48.8	-1.4	7.73E-01		
PPIP5K2	4.0	1.0	2.8	-1.4	2.15E-03	2.6	-1.5	5.94E-01		
PPTC7	19.3	1.0	13.3	-1.4	1.47E-02	11.7	-1.6	4.25E-01		
SCN7A	7.1	1.0	4.9	-1.4	3.93E-02	6.4	-1.1	8.58E-02		
EDNRB	10.7	1.0	7.4	-1.5	5.29E-03	8.8	-1.2	9.87E-02		
COL27A1	4.1	1.0	2.8	-1.5	1.39E-02	3.7	-1.1	3.76E-02	V	V
FAM58A	14.6	1.0	10.1	-1.5	3.53E-03	10.7	-1.4	5.68E-01		
FGF7	5.1	1.0	3.5	-1.5	2.30E-02	2.2	-2.3	7.97E-03		
ATP2A2	510.0	1.0	350.7	-1.5	2.79E-03	264.7	-1.9	7.24E-02		
LOC100127983	20.3	1.0	14.0	-1.5	7.31E-03	11.4	-1.8	2.05E-01		
LIFR	4.8	1.0	3.3	-1.5	1.46E-02	4.9	1.0	3.74E-02	V	V
ACCN3	2.9	1.0	2.0	-1.5	1.23E-02	2.2	-1.3	4.24E-01		
PDZD2	11.6	1.0	7.9	-1.5	1.92E-02	6.7	-1.7	8.81E-02		
CD82	10.0	1.0	6.8	-1.5	6.35E-03	6.2	-1.6	6.01E-01		
OPLAH	13.8	1.0	9.5	-1.5	1.09E-03	10.2	-1.4	2.78E-01		
ENDOG	13.9	1.0	9.5	-1.5	9.79E-05	8.9	-1.6	5.17E-01		
KLHL38	21.1	1.0	14.4	-1.5	1.77E-02	15.3	-1.4	6.60E-01		
C9orf5	11.1	1.0	7.6	-1.5	2.96E-03	6.6	-1.7	1.78E-01		
MZT2B	46.7	1.0	31.8	-1.5	6.85E-05	38.1	-1.2	1.32E-01		
PLCXD3	15.0	1.0	10.2	-1.5	1.37E-02	10.1	-1.5	9.23E-01		
HRH2	5.3	1.0	3.6	-1.5	4.26E-02	3.3	-1.6	6.66E-01		
ITGA1	5.2	1.0	3.5	-1.5	1.91E-02	3.2	-1.6	5.94E-01		
NEGR1	3.1	1.0	2.1	-1.5	1.62E-02	2.0	-1.5	9.57E-01		
SLC25A30	29.6	1.0	20.0	-1.5	2.66E-02	30.5	1.0	2.85E-02	V	V
HSPB3	169.0	1.0	114.3	-1.5	2.27E-03	117.7	-1.4	7.44E-01		
ANO5	10.7	1.0	7.2	-1.5	1.01E-02	6.6	-1.6	4.26E-01		
CCDC69	28.4	1.0	19.0	-1.5	8.87E-04	15.2	-1.9	1.04E-01		
TUBB2C	153.3	1.0	102.8	-1.5	9.06E-04	113.6	-1.3	4.58E-01		
MRPS25	15.8	1.0	10.6	-1.5	2.96E-03	12.0	-1.3	2.53E-01		
PLCD3	11.6	1.0	7.7	-1.5	2.06E-03	7.2	-1.6	3.43E-01		
FSD2	17.3	1.0	11.4	-1.5	2.18E-02	9.6	-1.8	4.71E-01		
CTNNBIP1	10.2	1.0	6.7	-1.5	1.65E-02	7.4	-1.4	2.51E-01		
TPRKB	10.8	1.0	7.1	-1.5	1.30E-03	7.6	-1.4	7.17E-01		
HADHB	307.8	1.0	202.4	-1.5	2.26E-04	186.8	-1.6	4.72E-01		
NID1	25.4	1.0	16.7	-1.5	1.20E-02	16.1	-1.6	8.56E-01		
PHYHD1	7.6	1.0	5.0	-1.5	2.45E-02	5.7	-1.3	2.87E-01		
TKTL1	2.3	1.0	1.5	-1.5	1.49E-02	1.8	-1.3	3.23E-01		
AIF1L	11.7	1.0	7.7	-1.5	1.49E-04	7.2	-1.6	7.36E-01		
F8	14.9	1.0	9.8	-1.5	6.45E-03	7.9	-1.9	2.12E-01		
FAM101B	3.7	1.0	2.4	-1.5	7.19E-03	2.6	-1.5	7.40E-01		
AMD1	16.4	1.0	10.7	-1.5	3.48E-04	12.0	-1.4	4.51E-01		
SMTNL2	6.0	1.0	3.9	-1.5	3.87E-02	2.9	-2.1	9.44E-02		
ACSS1	32.2	1.0	20.9	-1.5	1.56E-02	22.3	-1.4	6.65E-01		
PTH1R	5.4	1.0	3.5	-1.5	2.72E-03	3.4	-1.6	9.09E-01		
COQ10A	66.0	1.0	42.8	-1.5	3.20E-03	36.8	-1.8	3.06E-01		
BIRC3	2.5	1.0	1.6	-1.5	3.50E-02	2.6	1.0	5.19E-02		
CDH19	7.4	1.0	4.8	-1.5	4.46E-02	5.3	-1.4	5.77E-01		
PTGDS	1058.3	1.0	679.2	-1.6	4.02E-03	864.7	-1.2	1.50E-01		
CKM	1881.3	1.0	1206.3	-1.6	1.47E-03	1163.2	-1.6	7.54E-01		
ZNF703	2.6	1.0	1.6	-1.6	1.98E-02	3.2	1.3	5.58E-03		
C3orf43	7.5	1.0	4.8	-1.6	3.72E-02	5.7	-1.3	4.35E-01		
GPT	13.3	1.0	8.4	-1.6	1.53E-03	8.9	-1.5	6.67E-01		
ITGB1BP3	260.6	1.0	165.2	-1.6	3.83E-02	207.3	-1.3	1.67E-01		
MPP3	8.9	1.0	5.6	-1.6	6.53E-03	6.3	-1.4	5.87E-01		
HIPK3	19.2	1.0	12.0	-1.6	3.33E-02	10.0	-1.9	4.26E-01		
FAM107A	27.7	1.0	17.4	-1.6	6.19E-04	23.6	-1.2	1.53E-01		
MID1IP1	9.2	1.0	5.8	-1.6	3.98E-02	4.7	-2.0	1.62E-01		
PALLD	148.5	1.0	92.9	-1.6	3.01E-03	87.5	-1.7	6.58E-01		
LNX1	2.1	1.0	1.3	-1.6	2.67E-03	2.1	-1.0	9.94E-02		
ENTPD6	29.8	1.0	18.6	-1.6	2.69E-05	18.4	-1.6	8.85E-01		
ASB10	9.5	1.0	6.0	-1.6	2.38E-03	6.3	-1.5	6.66E-01		
GPR17	6.9	1.0	4.3	-1.6	2.10E-02	4.6	-1.5	5.16E-01		
PYGM	26.0	1.0	16.2	-1.6	9.64E-04	19.0	-1.4	3.90E-01		
HIF3A	19.3	1.0	12.0	-1.6	3.31E-03	13.3	-1.5	4.61E-01		
CCDC85A	2.2	1.0	1.4	-1.6	5.05E-03	1.8	-1.2	4.99E-02		V
TBX3	4.6	1.0	2.9	-1.6	4.11E-03	2.5	-1.9	3.48E-01		
SYNE2	44.5	1.0	27.6	-1.6	1.15E-03	28.5	-1.6	8.03E-01		
CA4	8.4	1.0	5.2	-1.6	4.28E-02	11.9	1.4	2.57E-02		
FAM65C	4.6	1.0	2.8	-1.6	1.46E-02	3.0	-1.5	5.93E-01		
HMOX2	35.6	1.0	21.8	-1.6	1.26E-04	21.4	-1.7	8.49E-01		
KLF15	15.3	1.0	9.4	-1.6	1.27E-02	17.8	1.2	3.14E-02		
MZT2A	35.9	1.0	22.0	-1.6	8.01E-03	25.3	-1.4	4.22E-01		
C13orf15	27.8	1.0	16.9	-1.6	2.40E-03	43.3	1.6	5.78E-04		
LPAR3	2.7	1.0	1.6	-1.7	1.82E-03	1.6	-1.7	8.49E-01		
COMTD1	8.3	1.0	5.0	-1.7	8.18E-04	6.1	-1.4	2.45E-01		
ASIP	5.1	1.0	3.1	-1.7	1.45E-02	3.4	-1.5	6.34E-01		
KIAA0040	5.9	1.0	3.6	-1.7	9.66E-03	4.8	-1.2	8.22E-02		
PDE7A	24.0	1.0	14.5	-1.7	4.70E-04	26.8	1.1	1.52E-03		
CACNA2D3	6.3	1.0	3.8	-1.7	8.10E-03	3.5	-1.8	5.80E-01		
PGAM2	256.2	1.0	154.4	-1.7	3.18E-05	194.0	-1.3	1.11E-01		
PPL	3.1	1.0	1.9	-1.7	8.01E-04	1.7	-1.9	3.96E-01		
CREB3L1	11.1	1.0	6.7	-1.7	2.67E-04	8.0	-1.4	1.02E-01		
MLPH	6.1	1.0	3.6	-1.7	1.59E-02	4.8	-1.3	1.04E-01		

SHISA4	43.9	1.0	26.1	-1.7	1.20E-02	31.0	-1.4	7.95E-02		
CSDC2	91.6	1.0	54.5	-1.7	3.71E-03	63.8	-1.4	3.99E-01		
KBTBD10	61.2	1.0	35.9	-1.7	3.67E-03	43.5	-1.4	3.04E-01		
ABCA9	6.6	1.0	3.9	-1.7	4.94E-03	3.6	-1.8	6.10E-01		
EIF4EBP1	11.9	1.0	7.0	-1.7	5.73E-04	6.3	-1.9	2.58E-01		
LOC100131199	7.7	1.0	4.5	-1.7	5.51E-03	4.0	-1.9	3.70E-01		
SMYD1	80.5	1.0	46.5	-1.7	9.16E-05	41.6	-1.9	4.14E-01		
FABP5	100.1	1.0	57.3	-1.7	2.05E-03	60.7	-1.6	6.96E-01		
PTDSS1	57.3	1.0	32.8	-1.7	1.13E-04	34.5	-1.7	8.06E-01		
PLIN5	14.2	1.0	8.1	-1.7	6.92E-04	8.0	-1.8	9.12E-01		
ASB14	2.2	1.0	1.3	-1.8	4.70E-02	1.3	-1.7	6.54E-01		
HOGA1	7.1	1.0	4.0	-1.8	2.26E-02	3.6	-2.0	3.69E-01		
TLR2	1.3	1.0	0.7	-1.8	2.20E-03	1.0	-1.2	3.05E-01		
GPR116	25.9	1.0	14.5	-1.8	5.29E-07	16.7	-1.5	4.91E-01		
WDR62	3.7	1.0	2.1	-1.8	1.54E-02	3.0	-1.2	8.48E-02		
NQO2	19.7	1.0	10.9	-1.8	5.85E-03	10.4	-1.9	6.32E-01		
TIMP4	10.5	1.0	5.7	-1.8	2.12E-02	6.3	-1.7	6.46E-01		
AASS	5.2	1.0	2.8	-1.8	1.14E-03	2.5	-2.1	4.10E-01		
CADPS2	2.8	1.0	1.5	-1.9	6.17E-03	1.4	-2.0	6.47E-01		
MTUS2	30.1	1.0	16.1	-1.9	6.25E-04	18.2	-1.7	3.87E-01		
F13A1	27.9	1.0	14.9	-1.9	4.05E-02	7.7	-3.6	1.71E-01		
ZNF366	2.3	1.0	1.2	-1.9	3.41E-04	1.4	-1.7	7.44E-01		
C3	44.8	1.0	23.8	-1.9	1.24E-02	19.0	-2.4	4.65E-01		
EGFR	2.3	1.0	1.2	-1.9	7.68E-04	1.6	-1.4	1.90E-01		
RNF144B	2.9	1.0	1.5	-1.9	2.64E-04	1.8	-1.6	3.76E-01		
RASL10B	6.4	1.0	3.4	-1.9	4.02E-03	2.8	-2.3	1.38E-01		
KCNJ11	3.3	1.0	1.7	-2.0	2.50E-04	2.2	-1.5	1.05E-01		
C4orf31	2.3	1.0	1.2	-2.0	2.85E-03	1.2	-2.0	9.75E-01		
ADRB1	7.5	1.0	3.7	-2.0	1.12E-02	4.3	-1.7	6.11E-01		
EPB41L4B	2.5	1.0	1.2	-2.1	5.04E-03	1.5	-1.7	3.02E-01		
SLC26A9	5.9	1.0	2.8	-2.1	5.04E-04	3.9	-1.5	1.08E-02		∨
PLP1	2.9	1.0	1.4	-2.1	8.63E-03	1.9	-1.5	3.16E-01		
GPIHBP1	6.1	1.0	2.8	-2.1	5.19E-04	5.3	-1.1	3.20E-02		∨
PVRL1	4.4	1.0	2.1	-2.1	8.84E-03	1.9	-2.3	3.82E-01		
KCND3	4.0	1.0	1.8	-2.2	7.79E-04	1.5	-2.6	2.15E-01		
FKBP5	42.9	1.0	19.8	-2.2	8.92E-04	55.6	1.3	1.17E-02		
PPP1R1A	27.1	1.0	12.5	-2.2	7.44E-03	15.2	-1.8	4.09E-01		
TUBA8	54.2	1.0	24.9	-2.2	3.85E-03	34.2	-1.6	7.20E-02		
SLC5A1	38.3	1.0	17.6	-2.2	1.71E-04	19.8	-1.9	5.27E-01		
ADAMTS9	4.4	1.0	2.0	-2.2	1.42E-02	2.1	-2.1	7.27E-01		
CD300LG	6.1	1.0	2.7	-2.2	8.44E-04	4.0	-1.5	2.91E-01		
SH3RF2	74.4	1.0	33.1	-2.2	3.19E-04	43.0	-1.7	7.55E-03		∨
ANXA3	21.7	1.0	9.6	-2.2	8.16E-05	13.0	-1.7	2.23E-01		
NPTX2	3.9	1.0	1.7	-2.3	1.77E-02	1.6	-2.4	8.19E-01		
FAM155B	9.1	1.0	4.0	-2.3	5.53E-03	8.4	-1.1	5.20E-02		
ADAM11	3.6	1.0	1.5	-2.3	5.76E-03	2.2	-1.6	2.76E-01		
GRB14	4.6	1.0	2.0	-2.3	2.06E-03	1.9	-2.4	9.19E-01		
CD163	18.2	1.0	7.7	-2.3	2.49E-02	6.2	-2.9	7.09E-01		
FAM46B	8.6	1.0	3.5	-2.4	5.07E-03	4.2	-2.0	5.11E-01		
METTL7B	7.6	1.0	3.1	-2.5	4.68E-03	3.7	-2.1	6.42E-01		
AQP3	8.7	1.0	3.5	-2.5	8.02E-03	4.8	-1.8	1.97E-01		
CPLX3	3.3	1.0	1.3	-2.5	7.13E-03	2.3	-1.4	7.07E-02		
MT1X	39.5	1.0	15.6	-2.5	4.70E-02	66.6	1.7	7.77E-03		
SUSD4	3.5	1.0	1.4	-2.6	4.29E-02	1.6	-2.2	5.12E-01		
FIGF	7.5	1.0	2.9	-2.6	9.08E-03	2.3	-3.2	4.92E-01		
S1PR3	9.2	1.0	3.5	-2.6	1.61E-03	4.0	-2.3	1.02E-01		
AQP4	2.6	1.0	1.0	-2.7	3.30E-02	0.9	-3.0	8.33E-01		
MBNL3	1.8	1.0	0.7	-2.7	1.18E-02	0.8	-2.3	3.32E-01		
EPN3	3.2	1.0	1.2	-2.7	3.57E-03	1.5	-2.1	1.74E-01		
CPNE4	9.7	1.0	3.6	-2.7	2.08E-02	3.9	-2.5	6.25E-01		
ART3	39.5	1.0	14.5	-2.7	2.11E-06	16.5	-2.4	4.86E-01		
LRRN3	2.2	1.0	0.8	-2.7	4.60E-02	0.6	-3.4	4.00E-01		
CPAMD8	4.2	1.0	1.5	-2.8	8.11E-05	1.6	-2.6	7.77E-01		
ADAMTS15	5.4	1.0	1.9	-2.8	7.71E-04	2.9	-1.8	2.34E-03		∨
LCN10	3.2	1.0	1.1	-2.8	1.19E-03	1.2	-2.7	8.74E-01		
MYL7	526.1	1.0	182.0	-2.9	2.06E-02	497.5	-1.1	1.45E-03	∨	∨
BMP7	2.3	1.0	0.8	-3.0	1.85E-03	0.5	-4.9	1.22E-01		
C19orf33	3.0	1.0	1.0	-3.1	1.60E-03	1.0	-3.0	9.27E-01		
ITLN1	1.0	1.0	0.3	-3.2	4.54E-02	0.8	-1.3	2.78E-01		
MT1A	1.7	1.0	0.5	-3.3	4.59E-02	8.9	5.2	1.23E-02		
CYP4B1	11.9	1.0	3.6	-3.3	1.97E-03	6.7	-1.8	2.66E-01		
SERPINA3	29.0	1.0	8.8	-3.3	7.54E-03	9.2	-3.1	8.90E-01		
LCN6	5.9	1.0	1.7	-3.4	3.25E-04	1.5	-4.0	2.71E-01		
PRODH	13.5	1.0	3.9	-3.5	1.81E-03	3.7	-3.6	7.67E-01		
FCN3	10.0	1.0	2.9	-3.5	3.49E-03	1.9	-5.3	1.40E-01		
SGPP2	5.2	1.0	1.5	-3.5	3.46E-03	1.3	-3.9	8.26E-01		
HOPX	12.4	1.0	3.4	-3.7	3.37E-02	3.0	-4.1	8.12E-01		
SLCO4A1	7.7	1.0	2.1	-3.7	2.78E-05	5.2	-1.5	8.11E-03		∨
CHST9	2.9	1.0	0.8	-3.7	7.73E-04	1.1	-2.6	3.15E-01		
CA14	3.7	1.0	0.8	-4.7	1.07E-03	1.1	-3.5	3.24E-01		
CHRDL2	4.1	1.0	0.9	-4.8	1.33E-02	1.7	-2.4	1.64E-01		
TUBA3D	30.8	1.0	6.2	-5.0	4.87E-05	14.9	-2.1	5.06E-02		
HMGCS2	10.6	1.0	1.9	-5.5	4.19E-02	1.2	-8.9	5.98E-01		
MYH6	522.6	1.0	66.8	-7.8	4.54E-04	46.0	-11.4	7.50E-02		

DHRS7C	14.0	1.0	1.7	-8.1	9.04E-03	4.9	-2.8	1.29E-01		
TUBA3E	24.8	1.0	2.9	-8.5	5.25E-05	10.5	-2.4	4.29E-02		v

Table S12. Mean normalized read counts, fold change (compared to NF hearts mean value) and P values of mRNAs that are differentially expression in NICM LV samples

Transcript	NF mean (RPKM+0.1)	Fold Change (vs NF)	NICM pre-LVAD mean (RPKM+0.1)	Fold Change (vs NF)	P value (NF vs NICM)	NICM post-LVAD mean (RPKM+0.1)	Fold Change (vs NF)	P value (NICM pre vs post LVAD)	Normalized by LVAD	Improved by LVAD
HBA1	2.0	1.0	98.5	48.2	4.66E-02	16.0	7.8	9.00E-02		
NPPB	17.2	1.0	409.5	23.8	8.33E-03	150.8	8.8	3.34E-01		
NPPA	99.5	1.0	1918.8	19.3	4.62E-02	225.6	2.3	1.09E-01		
PENK	0.3	1.0	3.8	11.8	1.37E-02	9.5	29.9	3.63E-01		
SFRP4	0.5	1.0	5.2	11.4	1.52E-02	7.0	15.3	5.72E-01		
MXRA5	0.7	1.0	5.2	7.6	9.02E-04	6.4	9.3	8.40E-01		
RGS4	0.4	1.0	2.6	7.3	1.77E-02	0.6	1.7	7.53E-02		
FMOD	3.4	1.0	23.3	6.8	9.12E-03	27.3	8.0	9.84E-01		
WNT9A	0.8	1.0	5.2	6.7	3.71E-04	5.8	7.5	9.46E-01		
HAPLN1	0.2	1.0	1.4	5.8	1.26E-03	1.0	4.1	5.08E-01		
UCHL1	2.1	1.0	11.4	5.5	8.60E-03	11.0	5.3	6.76E-01		
LUM	24.8	1.0	127.4	5.1	3.26E-03	140.9	5.7	4.06E-01		
ITGBL1	1.0	1.0	5.1	4.9	1.13E-02	5.2	5.0	5.34E-01		
ASPN	4.9	1.0	23.7	4.8	4.53E-03	18.0	3.6	4.19E-01		
CCDC80	8.9	1.0	42.4	4.8	3.87E-03	50.5	5.7	7.42E-01		
GAP43	0.2	1.0	1.1	4.7	2.90E-02	0.7	3.1	3.13E-01		
AEBP1	5.1	1.0	23.5	4.6	2.96E-02	31.0	6.1	5.17E-01		
COL14A1	1.9	1.0	9.0	4.6	2.85E-02	13.0	6.7	6.06E-01		
C16orf89	1.0	1.0	4.4	4.5	2.50E-03	3.4	3.5	5.83E-02		
SERPINE2	4.4	1.0	19.6	4.5	1.09E-04	16.9	3.8	3.87E-01		
PI16	5.4	1.0	24.0	4.5	8.68E-03	21.7	4.0	5.97E-01		
FAP	0.5	1.0	2.3	4.3	1.91E-03	3.4	6.5	3.59E-01		
LTBP2	6.1	1.0	26.5	4.3	1.29E-03	23.0	3.8	4.50E-01		
TMEM119	0.2	1.0	0.9	4.1	2.34E-02	1.5	6.8	2.92E-01		
OGDHL	0.5	1.0	2.2	4.1	9.44E-04	1.4	2.7	2.17E-01		
PROM1	0.6	1.0	2.2	4.0	5.56E-03	1.4	2.5	3.56E-01		
TNC	1.1	1.0	4.2	3.9	2.70E-02	6.8	6.3	3.78E-01		
OC10012948	0.3	1.0	1.2	3.9	6.15E-03	1.2	3.9	9.79E-01		
TNFRSF11B	1.6	1.0	6.1	3.7	4.36E-02	4.8	2.9	2.61E-01		
THY1	0.6	1.0	2.3	3.7	3.09E-04	2.6	4.1	1.41E-01		
CP	0.6	1.0	2.1	3.7	2.28E-02	1.7	2.9	1.31E-01		
CTGF	9.1	1.0	32.9	3.6	2.46E-02	103.2	11.4	4.64E-01		
HIST1H2AK	0.7	1.0	2.4	3.6	1.27E-04	1.5	2.3	1.14E-02		v
PHLDA1	1.8	1.0	6.4	3.6	1.61E-02	6.3	3.5	2.08E-01		
DPT	15.0	1.0	52.9	3.5	4.23E-04	53.1	3.5	2.93E-01		
SLC30A2	1.1	1.0	3.8	3.5	6.08E-03	1.2	1.1	1.32E-02		v
PTN	8.9	1.0	30.6	3.5	3.54E-03	42.2	4.8	7.95E-01		
SSC5D	0.7	1.0	2.4	3.3	3.54E-04	2.5	3.5	5.16E-01		
MME	0.6	1.0	2.1	3.3	1.25E-02	1.7	2.6	2.13E-01		
IFI44L	1.0	1.0	3.4	3.3	2.34E-02	2.6	2.5	2.92E-01		
LEPREL1	0.8	1.0	2.6	3.3	3.55E-02	2.0	2.5	1.16E-01		
SCUBE2	0.4	1.0	1.3	3.2	8.90E-04	2.4	6.0	5.30E-01		
PDE8B	0.6	1.0	2.0	3.2	1.37E-04	2.1	3.4	8.98E-01		
BEX1	2.3	1.0	7.3	3.1	4.36E-03	3.8	1.6	1.74E-02		v
COLQ	2.7	1.0	8.4	3.1	7.48E-04	4.2	1.6	8.32E-02		
THBS4	27.1	1.0	81.9	3.0	1.53E-02	208.3	7.7	1.77E-01		
MFAP4	21.7	1.0	64.9	3.0	2.55E-02	65.3	3.0	3.20E-01		
CPXM2	1.1	1.0	3.4	3.0	2.69E-02	3.9	3.4	3.73E-01		
OMD	2.9	1.0	8.7	3.0	2.93E-02	8.5	2.9	5.53E-01		
NAP1L3	1.1	1.0	3.3	3.0	2.45E-04	1.7	1.5	1.89E-02		v
OLFML2B	0.7	1.0	2.1	3.0	2.33E-02	2.2	3.1	1.84E-01		
MDK	1.7	1.0	5.0	2.9	3.96E-05	7.4	4.4	2.60E-01		
SYTL2	1.3	1.0	3.7	2.9	2.68E-03	2.2	1.8	3.56E-02		v
NT5E	0.9	1.0	2.6	2.9	8.82E-03	1.7	1.9	9.44E-02		
PCOLCE2	16.5	1.0	47.9	2.9	3.26E-03	27.7	1.7	5.19E-02		
COL1A1	9.4	1.0	27.3	2.9	1.21E-02	37.5	4.0	4.36E-01		
F2R	3.6	1.0	10.3	2.8	6.58E-04	15.7	4.4	6.89E-01		
IER3	9.5	1.0	26.4	2.8	2.26E-05	29.1	3.1	2.43E-01		
BGN	24.8	1.0	69.3	2.8	2.00E-02	67.6	2.7	4.26E-01		
COL1A2	20.3	1.0	56.4	2.8	9.42E-03	68.6	3.4	4.13E-01		
SMOC2	8.4	1.0	23.2	2.7	3.84E-04	29.5	3.5	6.41E-01		
SULF1	2.6	1.0	6.9	2.7	3.02E-02	5.7	2.2	1.92E-01		
ISLR	4.3	1.0	11.5	2.7	7.57E-04	8.3	1.9	5.07E-02		
LOXL1	4.4	1.0	11.9	2.7	7.44E-04	8.8	2.0	2.38E-01		
GATM	6.6	1.0	17.6	2.6	3.54E-02	12.1	1.8	2.33E-01		
THBS2	2.6	1.0	7.0	2.6	1.10E-02	4.8	1.8	1.31E-01		
SNCA	0.8	1.0	2.1	2.6	1.93E-03	1.6	1.9	2.15E-01		
ECM2	2.9	1.0	7.6	2.6	2.43E-02	7.0	2.4	3.94E-01		
SVEP1	1.2	1.0	3.2	2.6	3.01E-03	3.2	2.6	2.47E-01		
CYP1B1	3.8	1.0	9.9	2.6	1.48E-02	20.4	5.3	7.83E-01		
BMP4	1.8	1.0	4.7	2.6	9.73E-04	6.7	3.7	7.27E-01		
CLU	23.5	1.0	60.3	2.6	5.41E-04	65.2	2.8	3.08E-01		
C1QTNF7	0.6	1.0	1.6	2.5	1.47E-02	1.0	1.6	8.93E-02		
COL3A1	21.4	1.0	54.7	2.5	2.13E-02	77.5	3.6	7.00E-01		
COL8A1	3.5	1.0	8.8	2.5	6.01E-03	8.8	2.5	7.85E-01		
IRX6	3.1	1.0	7.9	2.5	6.11E-03	5.4	1.7	8.25E-02		
DACT1	0.7	1.0	1.7	2.5	1.38E-02	1.1	1.6	7.96E-02		
OAS1	1.4	1.0	3.4	2.5	2.28E-02	2.2	1.6	9.68E-02		
PRELP	11.7	1.0	29.5	2.5	1.39E-02	36.8	3.1	6.66E-01		
APLP1	2.1	1.0	5.3	2.5	2.44E-04	3.4	1.6	1.68E-02		v
ZMYND17	1.4	1.0	3.4	2.5	2.12E-04	2.7	1.9	2.15E-01		
TGFB2	0.7	1.0	1.6	2.5	5.06E-03	2.3	3.5	6.40E-01		
ANKRD33B	1.0	1.0	2.5	2.5	1.75E-03	1.7	1.7	6.83E-03		v
IFI6	3.4	1.0	8.2	2.4	4.65E-02	6.7	2.0	3.18E-01		

COL16A1	2.8	1.0	6.7	2.4	8.14E-03	7.5	2.7	6.99E-01		
CTSK	3.3	1.0	7.9	2.4	2.55E-02	15.3	4.6	2.94E-01		
SCN2B	3.3	1.0	7.9	2.4	2.62E-05	3.5	1.0	6.36E-04	v	v
CILP	3.5	1.0	8.2	2.4	3.84E-02	17.9	5.1	1.38E-01		
SNAP47	6.3	1.0	14.9	2.4	4.54E-05	12.3	1.9	2.16E-02		
NCRNA00152	1.8	1.0	4.1	2.3	1.13E-02	4.1	2.3	2.84E-01		
SLC6A6	6.1	1.0	14.3	2.3	3.30E-02	6.7	1.1	9.17E-02		
NRP2	0.9	1.0	2.0	2.3	1.40E-02	1.5	1.8	9.24E-02		
OAS2	1.9	1.0	4.4	2.3	3.44E-02	3.4	1.8	1.82E-01		
SMAD7	3.2	1.0	7.3	2.3	5.41E-05	6.9	2.2	2.12E-01		
FNDC1	0.5	1.0	1.1	2.3	8.59E-04	2.2	4.6	1.26E-01		
ANTXR1	5.1	1.0	11.8	2.3	2.54E-02	12.3	2.4	3.46E-01		
FAM107B	1.2	1.0	2.8	2.3	9.78E-03	2.7	2.2	1.17E-01		
MX2	1.7	1.0	3.9	2.3	1.30E-02	2.6	1.5	7.40E-02		
C7orf41	4.3	1.0	9.7	2.3	1.56E-04	9.2	2.1	2.96E-01		
BAMBI	4.5	1.0	10.1	2.2	3.48E-04	12.7	2.8	5.68E-01		
EGR1	3.9	1.0	8.8	2.2	4.57E-02	127.0	32.2	6.75E-01		
SCARA3	1.0	1.0	2.2	2.2	6.21E-03	1.8	1.8	9.43E-02		
C14orf132	0.4	1.0	1.0	2.2	7.91E-03	2.2	5.0	7.79E-02		
FN1	34.4	1.0	76.4	2.2	2.91E-02	78.3	2.3	6.83E-01		
ENAM	1.3	1.0	2.9	2.2	6.80E-04	2.1	1.6	1.54E-01		
MYO1D	1.9	1.0	4.3	2.2	2.61E-02	5.6	2.9	5.74E-01		
LSP1	6.1	1.0	13.4	2.2	5.29E-05	12.3	2.0	3.13E-02		
PROS1	17.2	1.0	37.8	2.2	3.04E-02	35.6	2.1	7.28E-01		
DPYSL3	7.2	1.0	15.8	2.2	3.54E-02	11.8	1.6	1.97E-01		
FSCN1	2.4	1.0	5.3	2.2	1.16E-03	3.1	1.3	1.50E-02		v
SDSL	1.4	1.0	3.1	2.2	3.41E-05	2.8	2.0	4.05E-02		
MXRA8	6.5	1.0	14.2	2.2	5.50E-03	12.7	2.0	7.11E-02		
FOXS1	1.1	1.0	2.3	2.2	7.91E-03	0.9	-1.1	5.61E-02		
KCNS3	1.0	1.0	2.2	2.1	3.60E-02	1.6	1.6	2.81E-01		
BOC	1.3	1.0	2.7	2.1	3.37E-03	4.4	3.4	3.97E-01		
ODF3B	2.7	1.0	5.7	2.1	4.53E-02	3.9	1.5	7.00E-02		
PLCE1	2.9	1.0	6.1	2.1	2.48E-06	6.5	2.3	9.74E-01		
HTRA1	15.3	1.0	32.6	2.1	2.54E-05	26.7	1.7	3.94E-02		
PPP1R10	3.0	1.0	6.3	2.1	1.34E-06	8.6	2.9	4.25E-01		
BMP6	1.1	1.0	2.3	2.1	1.71E-02	1.0	-1.0	2.40E-02	v	v
MOXD1	1.1	1.0	2.4	2.1	3.07E-04	2.4	2.1	2.50E-01		
HAAO	1.0	1.0	2.1	2.1	7.19E-03	2.2	2.2	3.91E-01		
HAPLN3	0.7	1.0	1.5	2.1	4.71E-03	2.3	3.3	4.34E-01		
XAF1	1.8	1.0	3.8	2.1	1.04E-02	3.7	2.1	2.82E-01		
IFIT2	1.6	1.0	3.3	2.1	1.35E-02	1.7	1.1	1.70E-02		v
GEM	4.3	1.0	9.0	2.1	3.84E-02	12.4	2.9	2.56E-01		
LRRC17	1.0	1.0	2.2	2.1	1.35E-02	2.3	2.2	3.73E-01		
IFI44	3.9	1.0	8.2	2.1	3.36E-02	6.9	1.8	2.22E-01		
RGS11	3.8	1.0	7.8	2.1	4.83E-05	6.3	1.7	1.35E-02		
CERCAM	2.5	1.0	5.1	2.1	6.24E-03	5.8	2.4	3.25E-01		
CD44	2.7	1.0	5.6	2.1	1.89E-03	5.6	2.1	9.38E-02		
ADAMTSL2	1.4	1.0	3.0	2.1	2.93E-02	2.5	1.8	3.73E-01		
FBLN2	16.5	1.0	34.1	2.1	3.79E-02	30.2	1.8	1.50E-01		
VCAN	5.2	1.0	10.8	2.1	3.66E-02	8.2	1.6	2.00E-01		
CRYM	26.2	1.0	53.6	2.0	1.03E-03	33.5	1.3	3.75E-02		v
PER2	1.0	1.0	2.0	2.0	1.48E-04	4.0	4.1	2.02E-01		
MGP	75.6	1.0	154.2	2.0	2.44E-02	206.3	2.7	4.96E-01		
DIO2	1.8	1.0	3.7	2.0	3.34E-02	4.4	2.4	3.48E-01		
COL12A1	4.3	1.0	8.7	2.0	9.04E-03	9.7	2.3	9.94E-01		
ETV5	1.0	1.0	2.1	2.0	5.78E-03	1.7	1.7	1.08E-01		
SERPINI1	2.1	1.0	4.2	2.0	8.90E-04	3.0	1.5	2.49E-02		v
ANKRD1	1116.5	1.0	2256.4	2.0	7.59E-03	2753.7	2.5	3.78E-01		
DDX60	1.1	1.0	2.1	2.0	1.09E-03	1.9	1.8	1.32E-01		
MRC2	5.3	1.0	10.5	2.0	2.08E-02	11.1	2.1	4.65E-01		
PTGFRN	11.0	1.0	21.8	2.0	8.50E-05	19.7	1.8	2.45E-01		
ENO2	3.6	1.0	7.1	2.0	5.82E-04	5.8	1.6	5.66E-03		
C3orf52	0.9	1.0	1.8	2.0	7.34E-03	2.3	2.5	1.57E-01		
SACS	1.1	1.0	2.2	2.0	2.31E-03	2.1	2.0	5.10E-01		
MYH10	7.0	1.0	14.0	2.0	4.84E-02	9.9	1.4	1.91E-01		
NPR3	5.4	1.0	10.7	2.0	1.07E-04	6.5	1.2	6.45E-02		
PPP2R1B	1.6	1.0	3.1	2.0	2.26E-02	2.5	1.6	9.90E-02		
HSPB6	379.4	1.0	750.4	2.0	6.54E-03	567.7	1.5	3.97E-01		
PRSS23	2.2	1.0	4.4	2.0	4.29E-02	6.1	2.7	2.41E-01		
EXT1	3.5	1.0	6.8	2.0	6.56E-03	5.7	1.7	1.37E-01		
DUSP5	2.7	1.0	5.2	2.0	1.63E-03	13.1	4.9	5.49E-01		
POMZP3	2.1	1.0	4.1	2.0	2.79E-02	3.8	1.8	3.80E-01		
CGNL1	3.7	1.0	7.3	2.0	4.13E-02	4.6	1.2	3.68E-02		v
FIBIN	3.9	1.0	7.7	2.0	7.60E-03	13.3	3.4	5.65E-01		
PTGIS	2.2	1.0	4.3	2.0	5.83E-03	2.4	1.1	2.08E-02		v
FGF1	9.0	1.0	17.5	2.0	7.30E-06	11.8	1.3	5.27E-03		v
KCNC4	1.0	1.0	2.0	2.0	2.14E-06	2.6	2.5	2.70E-01		
IGF1	1.6	1.0	3.1	1.9	4.81E-02	6.0	3.8	6.51E-01		
THBS3	2.2	1.0	4.3	1.9	3.35E-02	4.0	1.8	2.02E-01		
ACE	1.6	1.0	3.1	1.9	3.34E-02	2.7	1.7	5.89E-02		
BST1	1.0	1.0	1.9	1.9	2.72E-02	1.7	1.7	1.63E-01		
EGR2	0.5	1.0	0.9	1.9	4.41E-02	9.4	20.2	8.90E-01		
NBLA00301	2.0	1.0	3.9	1.9	3.46E-03	2.2	1.1	3.32E-02		v
TLL2	1.0	1.0	1.9	1.9	7.02E-03	1.4	1.5	2.06E-01		
SOD3	18.0	1.0	34.7	1.9	3.32E-03	35.6	2.0	1.95E-01		
SELP	1.3	1.0	2.5	1.9	7.15E-03	1.4	1.1	1.13E-02	v	v
DNM1	1.6	1.0	3.1	1.9	1.22E-02	2.8	1.7	7.00E-02		
CHAC1	0.3	1.0	0.6	1.9	1.72E-02	2.6	7.9	8.41E-02		

MLLT11	8.7	1.0	16.8	1.9	1.38E-02	25.2	2.9	1.57E-01		
FAM102B	1.0	1.0	1.9	1.9	1.91E-02	2.0	2.0	2.15E-01		
SAMD9L	1.2	1.0	2.2	1.9	1.68E-02	1.8	1.6	1.41E-01		
PDE3B	1.7	1.0	3.3	1.9	3.50E-02	3.2	1.9	2.25E-01		
KDELR3	2.4	1.0	4.5	1.9	1.05E-02	4.0	1.7	2.04E-01		
DUSP6	5.0	1.0	9.4	1.9	1.76E-04	14.3	2.9	4.96E-01		
ASNS	3.2	1.0	6.1	1.9	1.81E-04	4.4	1.4	2.37E-03		∨
FSTL3	16.2	1.0	30.3	1.9	2.20E-03	40.9	2.5	2.89E-01		
RASA4	2.4	1.0	4.5	1.9	9.04E-04	4.7	2.0	1.29E-01		
QPCT	0.7	1.0	1.2	1.9	3.14E-03	2.3	3.5	2.17E-01		
AGPAT9	10.2	1.0	19.1	1.9	6.65E-05	20.8	2.0	3.63E-01		
EDNRA	4.5	1.0	8.5	1.9	1.89E-03	9.9	2.2	6.11E-01		
MAFK	16.1	1.0	30.0	1.9	1.03E-04	31.5	2.0	5.70E-01		
GPX8	0.9	1.0	1.7	1.9	2.48E-02	1.3	1.4	1.09E-01		
SSPN	6.7	1.0	12.4	1.8	1.24E-05	9.5	1.4	5.59E-03		
LMF1	1.7	1.0	3.1	1.8	2.99E-03	3.5	2.1	7.24E-01		
COL4A5	1.2	1.0	2.3	1.8	1.49E-02	2.1	1.7	3.24E-01		
DDAH1	2.5	1.0	4.6	1.8	1.30E-02	7.1	2.8	2.43E-01		
EVC	1.1	1.0	2.1	1.8	3.75E-02	2.3	2.0	3.84E-01		
VWA5A	1.1	1.0	2.1	1.8	7.09E-03	1.5	1.3	1.77E-02		∨
GBP1	2.1	1.0	3.8	1.8	3.58E-02	3.9	1.9	1.41E-01		
GAB3	4.5	1.0	8.2	1.8	1.35E-04	3.8	-1.2	1.04E-04		
SMAD6	3.3	1.0	6.1	1.8	7.43E-04	4.3	1.3	2.49E-02		∨
LOXL2	1.4	1.0	2.6	1.8	3.89E-03	2.4	1.6	1.44E-01		
GPR153	1.0	1.0	1.8	1.8	1.71E-02	2.7	2.7	7.40E-01		
STK38L	9.3	1.0	16.9	1.8	4.51E-03	15.7	1.7	5.18E-02		
F10	1.9	1.0	3.5	1.8	4.36E-02	3.1	1.6	2.43E-01		
GLT25D2	1.8	1.0	3.3	1.8	2.97E-03	3.2	1.8	3.87E-01		
HNMT	1.8	1.0	3.4	1.8	3.68E-02	2.8	1.5	9.55E-02		
DHRS11	3.0	1.0	5.4	1.8	3.49E-05	4.3	1.5	2.80E-02		
MEOX2	3.1	1.0	5.6	1.8	9.16E-03	3.9	1.2	4.43E-02		∨
AZIN1	9.0	1.0	16.4	1.8	7.94E-04	20.6	2.3	5.23E-01		
C7orf58	4.0	1.0	7.3	1.8	4.71E-03	6.9	1.7	3.34E-01		
FZD7	4.1	1.0	7.4	1.8	1.87E-05	5.0	1.2	2.05E-03		∨
LTC4S	1.3	1.0	2.3	1.8	9.36E-03	1.4	1.1	1.78E-02	∨	∨
RAB23	2.7	1.0	5.0	1.8	1.36E-02	4.6	1.7	3.34E-01		
OLFML1	1.7	1.0	3.1	1.8	4.92E-02	1.9	1.1	4.25E-02		∨
PPDPF	76.1	1.0	137.2	1.8	1.53E-05	113.1	1.5	1.75E-02		
ADAM19	2.2	1.0	4.0	1.8	2.60E-02	2.9	1.3	1.19E-01		
HSPA2	5.4	1.0	9.7	1.8	2.79E-02	15.3	2.9	4.33E-01		
IFIH1	1.3	1.0	2.4	1.8	2.32E-02	2.0	1.5	8.93E-02		
MN1	1.1	1.0	1.9	1.8	3.59E-03	1.3	1.2	2.33E-02		∨
PIK3IP1	5.6	1.0	10.1	1.8	2.63E-02	11.5	2.0	4.11E-01		
NAP1L5	1.5	1.0	2.7	1.8	7.54E-05	3.2	2.1	3.44E-01		
GSDMB	1.1	1.0	1.9	1.8	1.33E-03	2.4	2.2	3.17E-01		
COL5A1	3.9	1.0	7.0	1.8	3.42E-02	6.6	1.7	2.85E-01		
ENC1	1.2	1.0	2.1	1.8	1.46E-02	2.6	2.1	8.64E-01		
C20orf26	5.4	1.0	9.7	1.8	5.25E-04	5.1	-1.1	8.40E-04	∨	∨
SCARF2	1.0	1.0	1.7	1.8	3.71E-02	2.3	2.3	9.40E-01		
CXCL16	1.3	1.0	2.3	1.8	4.28E-02	3.0	2.4	4.41E-01		
TMEM71	7.0	1.0	12.4	1.8	3.08E-03	12.0	1.7	7.16E-01		
KCTD17	1.3	1.0	2.2	1.8	8.85E-04	1.9	1.6	1.70E-01		
FZD1	4.7	1.0	8.4	1.8	1.43E-02	6.7	1.4	5.22E-02		
SOCS2	3.2	1.0	5.7	1.8	1.84E-04	8.5	2.6	7.58E-01		
MYEF2	1.4	1.0	2.4	1.8	4.06E-04	2.3	1.7	4.17E-01		
SHB	1.9	1.0	3.3	1.8	1.31E-05	3.0	1.6	2.62E-01		
ATP13A3	8.5	1.0	15.1	1.8	9.75E-03	10.0	1.2	7.90E-02		
NOTCH2	3.4	1.0	6.0	1.8	7.89E-03	5.3	1.6	1.24E-01		
TNXB	16.4	1.0	29.0	1.8	4.86E-02	21.1	1.3	6.56E-02		
PNMA1	1.6	1.0	2.8	1.8	1.79E-03	2.4	1.5	5.40E-02		
GLT8D2	3.2	1.0	5.6	1.8	2.11E-02	5.1	1.6	1.31E-01		
ZNF323	1.4	1.0	2.5	1.8	7.35E-04	2.0	1.4	4.13E-02		
JAK2	6.0	1.0	10.6	1.8	6.55E-03	15.4	2.5	1.12E-01		
CTNND2	2.0	1.0	3.5	1.8	2.17E-02	3.6	1.8	7.69E-01		
RAB31	3.5	1.0	6.1	1.8	3.18E-02	9.3	2.7	5.56E-01		
PCSK5	1.1	1.0	2.0	1.8	1.12E-02	1.9	1.7	1.33E-01		
C4orf29	3.1	1.0	5.4	1.7	2.91E-03	5.3	1.7	4.29E-01		
ETV1	5.4	1.0	9.4	1.7	2.45E-04	6.6	1.2	6.86E-02		
ITIH5	3.4	1.0	6.0	1.7	6.61E-03	6.1	1.8	2.16E-01		
NAP1L2	2.5	1.0	4.3	1.7	1.69E-03	2.5	-1.0	1.31E-03	∨	∨
TIMP2	30.1	1.0	52.1	1.7	2.66E-02	57.9	1.9	2.42E-01		
PLAGL1	4.1	1.0	7.1	1.7	5.68E-04	7.1	1.7	1.59E-01		
C2orf40	1.1	1.0	1.9	1.7	2.69E-02	2.5	2.3	8.11E-01		
COL21A1	5.8	1.0	10.1	1.7	8.52E-04	11.0	1.9	9.96E-01		
RCN3	3.3	1.0	5.7	1.7	3.43E-02	6.3	1.9	3.64E-01		
ZNF423	1.5	1.0	2.6	1.7	3.63E-03	1.7	1.1	8.58E-03		∨
LOC728392	1.5	1.0	2.5	1.7	2.79E-02	2.5	1.7	1.84E-01		
ZNF880	2.0	1.0	3.5	1.7	4.51E-02	3.5	1.7	6.25E-01		
ZMAT1	3.4	1.0	5.8	1.7	2.15E-05	5.1	1.5	2.58E-02		
SLC9A1	3.5	1.0	6.1	1.7	9.75E-05	6.1	1.7	3.97E-01		
PRRT2	1.3	1.0	2.2	1.7	1.85E-02	2.0	1.6	9.66E-02		
AP3M2	3.1	1.0	5.2	1.7	7.58E-06	3.8	1.3	1.55E-03		∨
CLEC11A	1.3	1.0	2.2	1.7	1.91E-02	2.6	2.1	3.77E-01		
DUSP15	0.9	1.0	1.6	1.7	9.30E-03	1.2	1.3	6.72E-02		
DHX58	1.2	1.0	2.1	1.7	9.86E-03	1.8	1.5	7.71E-02		
OTUD1	5.8	1.0	10.0	1.7	2.17E-02	50.3	8.6	8.59E-01		
PLEKHB1	2.6	1.0	4.4	1.7	1.09E-02	3.4	1.3	1.09E-01		
INPP5F	1.4	1.0	2.4	1.7	4.29E-03	3.0	2.1	7.99E-01		

SDC2	9.3	1.0	15.9	1.7	1.07E-02	14.7	1.6	2.58E-01		
C3orf58	1.2	1.0	2.1	1.7	2.44E-03	2.7	2.2	4.38E-01		
ENAH	3.7	1.0	6.2	1.7	7.68E-04	9.7	2.7	1.48E-01		
JAM3	7.9	1.0	13.4	1.7	2.50E-05	12.0	1.5	1.23E-02		
SCRN1	4.8	1.0	8.1	1.7	2.78E-02	9.1	1.9	8.23E-01		
VEGFC	1.8	1.0	3.0	1.7	1.11E-02	1.9	1.1	8.11E-03	V	V
CXCR7	10.1	1.0	17.2	1.7	1.44E-03	8.5	-1.2	1.72E-03		
ODC1	15.0	1.0	25.4	1.7	1.74E-05	26.9	1.8	8.56E-01		
UTED-TXNDC	1.2	1.0	2.0	1.7	7.20E-03	1.8	1.5	4.54E-01		
DYNC2LI1	2.8	1.0	4.8	1.7	5.50E-05	4.0	1.4	1.63E-03		
RHOBTB1	4.1	1.0	6.9	1.7	1.73E-04	6.8	1.7	3.84E-01		
KIF13A	15.9	1.0	26.8	1.7	3.76E-04	21.8	1.4	2.29E-02		
HMGN2	22.5	1.0	37.8	1.7	3.82E-06	36.2	1.6	3.74E-02		
BTN3A1	2.2	1.0	3.6	1.7	5.85E-03	3.6	1.7	1.04E-01		
PRRX1	7.6	1.0	12.8	1.7	1.15E-03	19.5	2.6	7.15E-02		
GARNL3	3.0	1.0	5.1	1.7	9.15E-04	3.5	1.2	6.19E-05		V
TSC22D2	3.7	1.0	6.2	1.7	2.19E-04	8.6	2.3	5.21E-01		
RAI14	1.1	1.0	1.9	1.7	2.71E-02	2.1	1.8	1.92E-01		
DOK5	2.0	1.0	3.3	1.7	3.58E-02	2.6	1.3	6.26E-02		
ST3GAL6	9.8	1.0	16.4	1.7	8.00E-05	13.4	1.4	2.30E-01		
FILIP1L	17.5	1.0	29.2	1.7	2.04E-02	38.2	2.2	5.35E-01		
EEF1A1	327.1	1.0	546.7	1.7	2.42E-02	528.0	1.6	9.31E-02		
PODN	8.6	1.0	14.3	1.7	2.66E-02	23.7	2.8	5.35E-01		
APBB3	3.0	1.0	5.0	1.7	7.04E-05	4.1	1.4	1.73E-02		
GADD45A	16.4	1.0	27.2	1.7	3.35E-03	33.3	2.0	6.15E-01		
MARCH3	2.6	1.0	4.3	1.7	2.31E-04	3.2	1.2	2.22E-02		V
IER2	6.7	1.0	11.1	1.7	9.26E-03	29.3	4.4	7.24E-01		
RELL1	1.6	1.0	2.6	1.7	5.19E-04	2.6	1.7	2.04E-01		
WTIP	3.9	1.0	6.4	1.7	1.32E-04	6.9	1.8	2.65E-01		
SLC27A3	1.9	1.0	3.1	1.7	3.45E-03	2.5	1.3	2.77E-02		
SORBS2	130.3	1.0	215.8	1.7	1.71E-03	155.4	1.2	1.18E-01		
TSPAN9	29.1	1.0	48.3	1.7	4.99E-05	35.1	1.2	3.57E-03		V
SGCE	6.7	1.0	11.1	1.7	5.74E-03	11.3	1.7	1.53E-01		
PAK1	1.5	1.0	2.5	1.7	4.54E-02	2.9	1.9	5.75E-01		
MYOCD	4.1	1.0	6.8	1.7	1.51E-03	4.4	1.1	4.67E-03	V	V
KIAA0556	1.9	1.0	3.1	1.7	9.17E-06	3.5	1.8	9.42E-01		
INPP4B	2.5	1.0	4.0	1.7	2.78E-03	3.5	1.4	2.66E-01		
DIXDC1	4.0	1.0	6.6	1.6	1.24E-03	8.0	2.0	4.98E-01		
MARVELD1	2.2	1.0	3.5	1.6	1.71E-02	3.1	1.4	8.34E-02		
C22orf25	8.0	1.0	13.2	1.6	4.50E-04	8.5	1.1	5.16E-03	V	V
CARD16	2.0	1.0	3.3	1.6	4.41E-03	2.4	1.2	3.69E-02		V
POLR1E	3.3	1.0	5.4	1.6	6.62E-04	5.4	1.7	1.01E-01		
USP11	9.9	1.0	16.2	1.6	7.29E-06	16.4	1.7	1.28E-02		
TMEM231	1.9	1.0	3.1	1.6	6.73E-04	2.0	1.1	3.51E-03	V	V
C14orf179	4.9	1.0	8.1	1.6	3.54E-05	8.7	1.8	8.87E-01		
C9orf9	1.9	1.0	3.0	1.6	1.68E-02	1.7	-1.1	5.92E-03	V	V
ATP8B2	2.6	1.0	4.3	1.6	7.10E-03	5.3	2.0	4.45E-01		
SNED1	1.5	1.0	2.5	1.6	4.13E-02	3.7	2.5	2.68E-01		
LTBP1	21.2	1.0	34.7	1.6	9.79E-03	37.3	1.8	9.89E-01		
SPINT2	1.7	1.0	2.8	1.6	1.83E-02	2.9	1.7	7.97E-01		
GPRASP1	3.3	1.0	5.4	1.6	4.19E-03	5.1	1.6	2.42E-02		
ARRDC3	2.8	1.0	4.6	1.6	5.95E-03	5.4	1.9	2.95E-01		
SLC16A7	1.7	1.0	2.7	1.6	1.91E-03	2.0	1.2	1.91E-02		V
FMNL3	1.8	1.0	2.9	1.6	4.30E-03	3.7	2.1	8.22E-01		
MAP3K3	9.5	1.0	15.4	1.6	3.02E-03	19.5	2.1	6.93E-01		
DOK4	1.8	1.0	2.9	1.6	1.95E-03	2.4	1.4	3.73E-02		
GSN	284.5	1.0	463.2	1.6	1.63E-02	484.6	1.7	3.60E-01		
PPIP5K1	2.0	1.0	3.3	1.6	1.19E-05	2.9	1.4	2.07E-02		
DUSP8	3.3	1.0	5.3	1.6	6.34E-03	6.2	1.9	3.11E-01		
B3GNT9	2.9	1.0	4.6	1.6	1.94E-03	4.1	1.4	9.60E-02		
DDAH2	12.7	1.0	20.6	1.6	2.07E-03	20.5	1.6	1.40E-01		
FAM70B	1.3	1.0	2.1	1.6	4.68E-02	2.8	2.2	3.84E-01		
MAPK4	6.5	1.0	10.6	1.6	3.22E-02	9.2	1.4	8.00E-01		
NAV1	8.2	1.0	13.2	1.6	4.67E-03	8.3	1.0	2.94E-03	V	V
TP53INP2	27.0	1.0	43.6	1.6	1.20E-03	46.4	1.7	8.41E-01		
TMEM136	2.0	1.0	3.2	1.6	5.73E-05	3.1	1.6	3.36E-02		
IFI27L1	2.4	1.0	3.8	1.6	4.22E-02	3.3	1.4	3.92E-01		
PCDHGA12	1.2	1.0	2.0	1.6	7.01E-03	2.3	1.9	5.99E-01		
CKS2	1.4	1.0	2.2	1.6	4.10E-02	3.5	2.6	8.79E-01		
RRAS2	8.1	1.0	13.1	1.6	2.03E-02	24.9	3.1	1.33E-01		
MEX3D	1.1	1.0	1.8	1.6	5.42E-03	2.2	2.0	3.79E-01		
TSTD1	2.9	1.0	4.6	1.6	1.24E-02	4.7	1.6	2.66E-01		
C1orf54	3.3	1.0	5.2	1.6	2.68E-02	5.8	1.8	1.86E-01		
DLL4	2.6	1.0	4.2	1.6	3.31E-02	4.8	1.8	3.68E-01		
DNAJA4	31.3	1.0	50.2	1.6	4.84E-03	58.3	1.9	5.75E-01		
GLRB	2.3	1.0	3.7	1.6	4.56E-04	3.3	1.4	2.27E-01		
STYXL1	2.2	1.0	3.5	1.6	5.09E-04	3.4	1.5	2.63E-02		
ANXA4	5.1	1.0	8.2	1.6	1.02E-02	6.8	1.3	5.49E-02		
XPC	4.0	1.0	6.4	1.6	5.72E-04	6.1	1.5	3.30E-02		
UBA7	3.6	1.0	5.7	1.6	1.02E-02	5.2	1.5	5.59E-02		
ICOSLG	1.4	1.0	2.3	1.6	4.13E-03	2.1	1.5	1.98E-01		
CAT	23.3	1.0	37.2	1.6	3.84E-03	34.0	1.5	1.65E-01		
DYNLL1	36.2	1.0	57.9	1.6	1.43E-03	62.1	1.7	3.31E-01		
DCBLD2	6.0	1.0	9.5	1.6	7.84E-05	13.9	2.3	2.48E-01		
FSTL1	53.6	1.0	85.5	1.6	1.27E-02	106.0	2.0	9.98E-01		
TGFBI	13.8	1.0	22.0	1.6	1.12E-03	14.0	1.0	1.52E-02	V	V
ARHGAP1	17.8	1.0	28.4	1.6	1.34E-04	22.9	1.3	1.01E-02		
CCDC109B	1.6	1.0	2.6	1.6	1.84E-02	2.6	1.6	1.23E-01		

DLGAP4	9.8	1.0	15.6	1.6	1.61E-04	13.8	1.4	3.34E-02		
ST8SIA5	1.3	1.0	2.0	1.6	3.84E-02	1.9	1.5	9.75E-01		
UBE2L6	6.5	1.0	10.4	1.6	1.02E-02	9.8	1.5	9.05E-02		
CD52	1.8	1.0	2.8	1.6	2.31E-02	6.0	3.4	2.50E-01		
C6orf27	2.6	1.0	4.1	1.6	3.71E-03	3.7	1.5	5.65E-01		
PLXDC1	2.8	1.0	4.4	1.6	5.98E-03	4.2	1.5	4.34E-02		
TCTN1	2.7	1.0	4.4	1.6	1.87E-02	3.7	1.3	2.60E-02		
GAB2	4.4	1.0	7.0	1.6	3.79E-03	6.1	1.4	6.24E-02		
SIK2	4.7	1.0	7.4	1.6	6.52E-04	6.5	1.4	1.49E-02		
CNRIP1	2.9	1.0	4.5	1.6	4.02E-02	4.5	1.6	1.28E-01		
AR	2.8	1.0	4.4	1.6	1.49E-03	2.7	-1.0	1.25E-02	v	v
C1orf63	10.9	1.0	17.1	1.6	5.73E-04	24.4	2.2	6.85E-01		
GABPB2	2.1	1.0	3.3	1.6	1.23E-03	3.4	1.6	3.38E-01		
ITPRIP	9.5	1.0	14.9	1.6	3.15E-02	23.5	2.5	5.59E-01		
ORMDL3	12.4	1.0	19.5	1.6	2.60E-04	20.5	1.7	8.34E-01		
ALPK3	20.8	1.0	32.7	1.6	1.20E-03	29.4	1.4	3.03E-01		
LTBP3	16.7	1.0	26.1	1.6	3.80E-03	28.2	1.7	2.97E-01		
SPRY1	5.8	1.0	9.0	1.6	2.50E-03	24.7	4.3	5.61E-01		
SLC30A1	2.7	1.0	4.2	1.6	9.22E-04	3.3	1.2	1.09E-02		
CREB5	1.6	1.0	2.5	1.6	2.17E-02	3.2	2.0	4.74E-01		
FOXC1	1.1	1.0	1.7	1.6	2.89E-02	2.1	2.0	2.90E-01		
SRR	1.6	1.0	2.5	1.6	1.08E-03	2.0	1.3	2.00E-02		
LHPP	2.1	1.0	3.2	1.6	8.35E-03	2.7	1.3	1.49E-02		
MYPN	26.8	1.0	41.7	1.6	1.01E-02	48.3	1.8	4.27E-01		
PDLIM3	42.5	1.0	66.1	1.6	7.01E-03	65.2	1.5	8.16E-01		
DFNA5	1.6	1.0	2.4	1.6	2.98E-02	2.8	1.8	9.56E-01		
RECK	1.8	1.0	2.8	1.6	3.47E-02	2.9	1.6	2.72E-01		
PGM5P2	1.6	1.0	2.5	1.6	2.31E-02	2.2	1.4	7.58E-02		
PLAU	3.1	1.0	4.8	1.6	4.22E-02	2.7	-1.1	2.79E-03		
RABL2B	1.7	1.0	2.6	1.6	1.08E-03	2.8	1.7	2.04E-01		
PMEPA1	4.3	1.0	6.6	1.6	5.22E-03	6.2	1.5	2.88E-01		
EHD3	6.1	1.0	9.5	1.6	1.62E-02	6.9	1.1	7.12E-02		
VSNL1	3.5	1.0	5.5	1.5	1.30E-02	4.5	1.3	6.20E-02		
PEX12	2.1	1.0	3.3	1.5	4.07E-06	2.8	1.3	1.38E-01		
SLC40A1	10.8	1.0	16.7	1.5	1.01E-02	12.0	1.1	1.37E-02		v
ARHGAP24	3.5	1.0	5.4	1.5	4.02E-03	6.1	1.7	4.28E-01		
PARP10	2.5	1.0	3.8	1.5	2.21E-02	3.6	1.5	1.24E-01		
SLC25A5	37.4	1.0	57.8	1.5	2.63E-04	54.3	1.5	3.89E-02		
DNAJB4	17.7	1.0	27.2	1.5	1.56E-04	29.2	1.7	2.26E-01		
MDFIC	3.4	1.0	5.3	1.5	3.88E-05	5.4	1.6	1.24E-01		
UBE2H	23.4	1.0	36.1	1.5	3.82E-05	34.5	1.5	1.93E-01		
PHLDA3	5.8	1.0	8.9	1.5	1.65E-02	8.9	1.5	4.22E-01		
KLHL13	2.5	1.0	3.9	1.5	1.66E-02	2.3	-1.1	7.11E-03	v	v
PHLDB2	14.9	1.0	22.9	1.5	4.74E-04	19.3	1.3	2.22E-01		
DLG4	2.2	1.0	3.4	1.5	2.96E-04	3.8	1.7	1.52E-01		
ZNF462	2.2	1.0	3.3	1.5	1.55E-04	2.5	1.2	7.56E-04		
IFIT5	2.2	1.0	3.4	1.5	1.62E-03	3.0	1.4	1.01E-01		
C14orf128	2.4	1.0	3.7	1.5	8.53E-05	2.5	1.0	1.23E-02	v	v
MICAL2	8.8	1.0	13.5	1.5	5.50E-04	11.3	1.3	7.10E-02		
NYNRIN	1.9	1.0	2.8	1.5	5.22E-03	2.5	1.3	5.17E-02		
FAM43A	2.9	1.0	4.5	1.5	4.48E-03	3.8	1.3	5.17E-02		
RTN3	12.4	1.0	19.1	1.5	1.05E-02	22.2	1.8	9.51E-01		
ALDH18A1	2.6	1.0	4.0	1.5	2.21E-03	3.2	1.2	4.65E-02		
CASP1	2.3	1.0	3.5	1.5	7.58E-03	2.9	1.3	7.04E-02		
PIGF	2.1	1.0	3.2	1.5	5.76E-03	3.1	1.5	8.45E-02		
HIVEP2	3.1	1.0	4.8	1.5	4.69E-04	4.8	1.5	6.92E-03		
PKD2	4.7	1.0	7.1	1.5	1.85E-02	8.2	1.8	3.89E-01		
DUSP16	2.4	1.0	3.7	1.5	7.74E-04	4.5	1.9	3.66E-01		
PARP14	2.2	1.0	3.4	1.5	4.12E-02	2.7	1.2	9.68E-02		
INO80B	2.0	1.0	3.1	1.5	1.63E-02	2.8	1.4	1.39E-01		
PRICKLE2	1.1	1.0	1.7	1.5	1.56E-02	2.6	2.4	6.63E-01		
FAM102A	3.0	1.0	4.6	1.5	4.85E-04	3.3	1.1	1.17E-02		v
FARP1	3.0	1.0	4.5	1.5	3.83E-03	6.5	2.2	3.72E-01		
VCAM1	1.3	1.0	2.0	1.5	1.66E-02	1.7	1.3	5.84E-02		
C19orf66	3.2	1.0	5.0	1.5	4.71E-03	5.4	1.7	1.27E-01		
LXN	1.4	1.0	2.2	1.5	9.27E-03	2.0	1.4	7.13E-02		
XPR1	9.2	1.0	14.0	1.5	6.64E-03	18.1	2.0	3.44E-01		
PACS1	11.5	1.0	17.5	1.5	1.06E-03	15.7	1.4	7.55E-02		
TRUB1	3.7	1.0	5.6	1.5	7.90E-05	5.5	1.5	3.64E-01		
YPEL2	6.7	1.0	10.2	1.5	1.25E-03	11.1	1.7	8.57E-01		
EGLN3	24.3	1.0	37.0	1.5	2.70E-02	53.5	2.2	2.00E-01		
LIMA1	6.9	1.0	10.5	1.5	1.39E-02	10.2	1.5	9.30E-02		
GRINL1A	6.4	1.0	9.7	1.5	4.27E-05	10.3	1.6	4.63E-01		
HSD17B12	13.5	1.0	20.5	1.5	1.80E-02	15.8	1.2	1.46E-02		
STMN3	2.0	1.0	3.0	1.5	3.53E-02	3.3	1.6	1.80E-01		
C20orf3	9.6	1.0	14.6	1.5	4.03E-02	13.1	1.4	8.81E-02		
NLRC5	1.3	1.0	2.0	1.5	4.11E-02	2.1	1.6	1.61E-01		
CHN1	2.8	1.0	4.3	1.5	1.51E-04	4.4	1.5	3.90E-01		
MAP4	77.1	1.0	116.9	1.5	6.52E-03	130.4	1.7	4.87E-01		
AFAP1	1.4	1.0	2.1	1.5	1.47E-02	1.9	1.4	8.50E-02		
CD74	109.7	1.0	165.9	1.5	1.08E-02	221.2	2.0	2.12E-01		
ANO1	4.0	1.0	6.1	1.5	3.91E-02	4.8	1.2	1.04E-01		
TMCO3	5.7	1.0	8.6	1.5	6.77E-05	10.2	1.8	9.04E-01		
TUBA1A	49.4	1.0	74.5	1.5	4.43E-03	68.7	1.4	1.82E-01		
UBE2Q2	5.4	1.0	8.2	1.5	1.01E-04	8.8	1.6	5.33E-01		
SLC20A1	2.8	1.0	4.3	1.5	5.08E-03	8.1	2.9	9.41E-01		
THAP6	1.9	1.0	2.8	1.5	8.96E-05	2.3	1.2	4.78E-03		
NHSL1	4.6	1.0	6.9	1.5	1.59E-03	4.3	-1.1	1.08E-04	v	v

SPRY4	2.2	1.0	3.3	1.5	1.47E-02	5.9	2.7	6.02E-01		
SERPINH1	13.7	1.0	20.6	1.5	2.07E-02	23.3	1.7	5.07E-01		
PTPN21	6.5	1.0	9.7	1.5	1.85E-04	9.7	1.5	2.98E-01		
CCND1	17.3	1.0	25.9	1.5	3.20E-04	19.8	1.1	1.72E-02		
PLBD1	10.3	1.0	15.5	1.5	2.61E-04	12.0	1.2	2.22E-03		
ZNF251	3.5	1.0	5.3	1.5	6.90E-03	6.5	1.9	4.36E-01		
SLC22A17	2.7	1.0	4.0	1.5	2.38E-02	4.1	1.6	1.75E-01		
SEC31A	20.3	1.0	30.4	1.5	4.10E-08	30.2	1.5	1.01E-01		
CLIP3	1.1	1.0	1.6	1.5	3.29E-02	2.4	2.2	4.40E-01		
LETMD1	4.8	1.0	7.2	1.5	5.50E-03	6.4	1.3	2.94E-02		
CYP27A1	3.3	1.0	5.0	1.5	1.90E-02	5.5	1.7	2.01E-01		
OMMD3-BMI	2.5	1.0	3.7	1.5	2.91E-02	3.5	1.4	5.81E-02		
TWSG1	3.1	1.0	4.7	1.5	3.16E-02	5.3	1.7	4.36E-01		
LAMA2	27.5	1.0	41.1	1.5	1.29E-03	45.2	1.6	7.21E-01		
HIPK2	13.4	1.0	20.0	1.5	1.62E-03	21.8	1.6	6.16E-01		
EXOC6B	15.1	1.0	22.5	1.5	4.41E-03	20.6	1.4	7.34E-01		
CASC4	6.1	1.0	9.0	1.5	1.39E-02	9.3	1.5	1.51E-01		
DNAJA1	26.3	1.0	39.1	1.5	5.98E-04	52.7	2.0	9.39E-01		
RARG	2.7	1.0	4.0	1.5	4.38E-02	3.0	1.1	4.83E-02		
ZNF528	2.0	1.0	2.9	1.5	1.15E-03	2.8	1.4	1.49E-01		
TBC1D2B	3.1	1.0	4.5	1.5	4.57E-02	4.1	1.4	8.94E-02		
NRIP2	1.3	1.0	2.0	1.5	1.56E-02	1.2	-1.1	6.48E-03	V	V
EML2	5.5	1.0	8.1	1.5	1.54E-06	7.3	1.3	8.06E-04		
ARPC4-TTLL3	1.3	1.0	1.9	1.5	3.19E-02	2.1	1.6	1.51E-01		
NBPF1	1.4	1.0	2.1	1.5	2.53E-02	1.7	1.2	3.78E-02		
HSPA4L	2.4	1.0	3.5	1.5	5.58E-04	2.5	1.0	1.88E-03	V	V
GPRASP2	3.0	1.0	4.5	1.5	1.28E-03	3.2	1.1	1.47E-03	V	V
COPZ2	9.2	1.0	13.5	1.5	4.02E-03	12.4	1.4	1.43E-01		
DYRK1B	5.0	1.0	7.4	1.5	1.79E-03	7.3	1.5	3.09E-01		
TTC8	2.4	1.0	3.5	1.5	1.08E-02	3.0	1.2	8.92E-02		
GOLM1	2.0	1.0	3.0	1.5	5.50E-03	4.0	2.0	3.93E-01		
MICA	4.5	1.0	6.6	1.5	4.05E-02	7.6	1.7	6.95E-01		
GALNT10	2.6	1.0	3.9	1.5	6.56E-03	3.6	1.4	7.53E-02		
PEX16	2.2	1.0	3.2	1.5	4.11E-03	3.4	1.6	1.55E-01		
TRIB1	3.5	1.0	5.1	1.5	2.61E-02	10.9	3.1	1.38E-01		
SFXN3	3.9	1.0	5.7	1.5	4.68E-02	5.4	1.4	1.74E-01		
MOBKL2C	2.6	1.0	3.8	1.5	5.06E-03	5.3	2.1	9.80E-01		
STAT2	4.7	1.0	7.0	1.5	1.90E-02	7.9	1.7	1.85E-01		
OAT	9.9	1.0	14.5	1.5	2.78E-03	14.7	1.5	1.89E-01		
PCDHGA3	1.7	1.0	2.5	1.5	3.55E-05	2.6	1.5	8.82E-01		
KIAA0922	3.7	1.0	5.4	1.5	4.00E-03	5.7	1.6	5.82E-01		
RNF213	3.3	1.0	4.9	1.5	2.25E-02	4.4	1.3	6.45E-02		
DNTTIP1	5.6	1.0	8.3	1.5	3.26E-04	8.3	1.5	1.87E-01		
TMEM140	8.8	1.0	12.9	1.5	1.24E-02	14.2	1.6	4.56E-01		
ANGPTL2	9.3	1.0	13.6	1.5	9.99E-03	8.6	-1.1	2.90E-04	V	V
WEE1	7.8	1.0	11.5	1.5	1.01E-02	13.2	1.7	2.58E-01		
HSPB1	494.9	1.0	724.0	1.5	8.12E-03	895.1	1.8	3.72E-01		
ZNF415	4.2	1.0	6.2	1.5	1.10E-03	4.5	1.1	1.28E-02	V	V
CXorf56	2.4	1.0	3.6	1.5	1.30E-03	3.8	1.5	2.73E-01		
CPE	16.8	1.0	24.5	1.5	4.74E-02	23.7	1.4	1.05E-01		
ATP8B1	1.5	1.0	2.2	1.5	1.94E-02	1.9	1.3	1.88E-02		
LEPREL2	2.7	1.0	3.9	1.5	1.48E-02	3.7	1.4	7.21E-02		
AMOTL1	5.0	1.0	7.3	1.5	1.92E-03	9.9	2.0	1.52E-01		
MCAM	19.9	1.0	29.0	1.5	1.33E-02	24.5	1.2	4.27E-02		
FAM13C	2.4	1.0	3.4	1.5	3.39E-03	4.0	1.7	2.54E-01		
CCDC117	2.2	1.0	3.1	1.5	8.16E-03	4.2	1.9	7.95E-01		
TYRP1	11.0	1.0	15.9	1.5	7.08E-03	15.2	1.4	9.66E-01		
IRF9	6.6	1.0	9.7	1.5	1.00E-02	10.2	1.5	1.59E-01		
DHRS1	2.2	1.0	3.2	1.5	9.40E-03	2.8	1.3	1.56E-02		
MLL	2.5	1.0	3.7	1.5	6.05E-04	3.6	1.4	7.00E-02		
DNAJB1	11.3	1.0	16.4	1.5	4.55E-03	31.8	2.8	5.02E-01		
GHR	2.9	1.0	4.2	1.5	1.28E-02	3.8	1.3	6.24E-02		
IDUA	1.8	1.0	2.6	1.4	4.03E-02	2.5	1.4	1.65E-01		
KIFAP3	13.1	1.0	19.0	1.4	2.92E-02	14.8	1.1	4.30E-02		
KCNJ4	8.5	1.0	12.3	1.4	5.25E-03	9.5	1.1	1.58E-01		
MAP3K12	1.6	1.0	2.3	1.4	4.71E-02	2.4	1.5	1.38E-01		
ALDH4A1	8.1	1.0	11.7	1.4	6.56E-04	10.7	1.3	2.53E-01		
TRPC1	3.0	1.0	4.3	1.4	4.45E-03	4.3	1.5	3.67E-01		
TMEM98	2.5	1.0	3.7	1.4	2.33E-02	3.5	1.4	7.39E-02		
IL10RB	2.6	1.0	3.7	1.4	1.69E-02	3.7	1.4	1.62E-01		
ARAP1	7.4	1.0	10.8	1.4	9.13E-04	9.0	1.2	3.08E-03		
TBCK	1.8	1.0	2.6	1.4	5.12E-03	2.8	1.6	1.73E-01		
RFX5	3.4	1.0	4.9	1.4	1.38E-04	4.6	1.4	1.42E-02		
YWHAQ	45.7	1.0	66.2	1.4	1.30E-04	65.4	1.4	4.39E-03		
KCNAB1	1.4	1.0	2.1	1.4	4.34E-02	2.3	1.6	3.89E-01		
ZNF827	2.2	1.0	3.1	1.4	4.32E-03	3.2	1.5	6.58E-01		
DLG5	2.3	1.0	3.4	1.4	7.98E-03	4.7	2.0	6.48E-01		
ZNF83	7.1	1.0	10.2	1.4	2.18E-03	10.5	1.5	5.03E-02		
P4HTM	5.9	1.0	8.5	1.4	9.08E-04	7.7	1.3	4.12E-02		
EPHX2	8.3	1.0	11.9	1.4	1.19E-02	9.6	1.2	6.49E-02		
PER3	2.9	1.0	4.2	1.4	2.17E-02	4.1	1.4	6.96E-01		
NMI	1.4	1.0	2.0	1.4	2.87E-02	2.0	1.4	1.29E-01		
LGALS9	4.2	1.0	6.0	1.4	3.85E-02	5.0	1.2	3.69E-02		
ARMCX2	5.1	1.0	7.4	1.4	1.11E-03	6.0	1.2	8.35E-03		
KIF3B	2.7	1.0	3.9	1.4	3.95E-04	3.8	1.4	5.15E-02		
EXOC2	3.4	1.0	4.9	1.4	3.55E-04	4.5	1.3	6.01E-02		
KCTD13	1.9	1.0	2.7	1.4	4.69E-05	3.0	1.6	9.40E-02		
CDC14B	4.3	1.0	6.2	1.4	3.90E-05	5.2	1.2	7.07E-03		

SLC16A2	2.4	1.0	3.5	1.4	4.59E-02	3.0	1.2	1.29E-01		
CHST14	2.7	1.0	3.8	1.4	7.46E-04	3.2	1.2	1.48E-03		
GNL1	1.6	1.0	2.4	1.4	7.96E-03	2.5	1.5	1.25E-01		
TBC1D16	2.5	1.0	3.6	1.4	3.06E-02	3.3	1.3	6.76E-02		
CTF1	3.0	1.0	4.3	1.4	2.81E-03	3.8	1.3	4.62E-02		
IFI27L2	10.8	1.0	15.5	1.4	3.11E-02	13.5	1.3	2.74E-02		
ZBTB47	17.2	1.0	24.6	1.4	1.22E-02	25.4	1.5	8.59E-01		
FANCL	1.9	1.0	2.7	1.4	6.42E-03	2.5	1.4	5.79E-02		
ADAMTSL5	4.8	1.0	6.8	1.4	2.20E-02	7.9	1.7	3.24E-01		
SORT1	17.5	1.0	25.1	1.4	5.39E-03	31.9	1.8	3.65E-01		
AGRN	2.8	1.0	4.1	1.4	1.78E-02	3.9	1.4	9.68E-02		
TRIM41	5.4	1.0	7.7	1.4	1.45E-03	7.7	1.4	2.64E-01		
C16orf58	7.8	1.0	11.1	1.4	2.21E-04	10.3	1.3	1.90E-02		
RICTOR	2.7	1.0	3.9	1.4	1.10E-02	4.2	1.5	3.48E-01		
SEMA5B	1.4	1.0	2.0	1.4	1.77E-02	1.3	-1.1	4.32E-02	v	v
CCDC141	8.5	1.0	12.1	1.4	9.43E-03	8.8	1.0	2.62E-02	v	v
DDR1	4.2	1.0	6.0	1.4	4.17E-02	9.4	2.2	1.06E-01		
LOC728855	1.1	1.0	1.6	1.4	2.11E-02	1.6	1.4	1.44E-01		
BCL7A	3.3	1.0	4.7	1.4	1.27E-03	4.3	1.3	8.36E-02		
NFE2L2	16.7	1.0	23.8	1.4	3.98E-04	30.7	1.8	5.13E-01		
HSP90AB1	177.8	1.0	253.6	1.4	9.56E-05	265.9	1.5	5.65E-02		
HDAC9	2.7	1.0	3.9	1.4	2.74E-02	4.3	1.6	8.87E-01		
CLSTN3	1.7	1.0	2.4	1.4	3.68E-02	3.1	1.9	1.92E-01		
TMEM60	2.5	1.0	3.6	1.4	8.81E-03	3.4	1.4	4.26E-02		
C7orf60	2.8	1.0	3.9	1.4	3.15E-04	3.6	1.3	4.37E-02		
CMIP	2.0	1.0	2.9	1.4	1.73E-02	2.9	1.4	9.39E-02		
GLS	4.9	1.0	7.0	1.4	3.54E-03	6.6	1.3	8.72E-02		
COPS7B	6.1	1.0	8.7	1.4	5.62E-05	7.6	1.2	1.89E-02		
ZNF853	2.2	1.0	3.1	1.4	3.65E-03	3.0	1.4	8.65E-01		
TGDS	1.5	1.0	2.1	1.4	1.00E-02	2.3	1.5	1.83E-01		
PTPLAD1	2.5	1.0	3.6	1.4	1.36E-02	3.0	1.2	2.63E-02		
PATZ1	2.7	1.0	3.8	1.4	4.68E-05	3.1	1.1	2.02E-03		
TERF2IP	17.6	1.0	25.0	1.4	2.39E-06	26.3	1.5	2.74E-02		
TANC1	13.0	1.0	18.5	1.4	4.39E-03	17.3	1.3	6.78E-01		
GLRX	24.6	1.0	35.0	1.4	1.28E-03	25.4	1.0	2.75E-03	v	v
GMDS	1.6	1.0	2.2	1.4	5.72E-03	1.9	1.2	1.97E-02		
SPHK1	1.0	1.0	1.4	1.4	3.25E-02	2.4	2.5	9.53E-01		
NPR1	3.0	1.0	4.3	1.4	3.47E-02	4.3	1.4	1.04E-01		
FAT1	3.8	1.0	5.4	1.4	1.41E-03	4.9	1.3	2.79E-01		
CCDC85B	5.3	1.0	7.6	1.4	3.48E-04	7.0	1.3	3.97E-02		
ADCY6	24.3	1.0	34.4	1.4	4.00E-04	30.1	1.2	8.45E-02		
VPS41	4.2	1.0	6.0	1.4	7.67E-05	5.6	1.3	2.42E-02		
C14orf135	4.7	1.0	6.7	1.4	6.62E-04	6.1	1.3	1.77E-02		
SDC3	5.8	1.0	8.3	1.4	7.13E-03	8.3	1.4	3.14E-01		
DCAKD	3.7	1.0	5.2	1.4	9.37E-05	4.9	1.3	5.03E-02		
FLT4	1.8	1.0	2.6	1.4	7.24E-03	3.1	1.7	3.63E-01		
COL4A3BP	4.6	1.0	6.5	1.4	8.21E-05	6.3	1.4	9.78E-02		
ICK	1.7	1.0	2.4	1.4	2.97E-03	2.4	1.4	1.16E-01		
SYT11	3.8	1.0	5.3	1.4	1.87E-02	4.3	1.1	4.36E-02		
PRMT2	11.0	1.0	15.5	1.4	1.13E-03	16.4	1.5	2.76E-01		
HIST1H2AC	6.2	1.0	8.8	1.4	2.87E-02	8.5	1.4	6.09E-01		
VGLL4	5.4	1.0	7.6	1.4	3.28E-03	7.2	1.3	4.83E-02		
ARAP3	4.1	1.0	5.7	1.4	6.81E-05	6.1	1.5	7.32E-02		
PIK3C2B	2.7	1.0	3.9	1.4	3.14E-03	3.0	1.1	3.72E-02		
SEPT6	3.5	1.0	4.9	1.4	2.10E-02	5.1	1.5	9.13E-02		
NR3C1	5.5	1.0	7.7	1.4	5.81E-03	6.5	1.2	2.33E-02		
GOLIM4	17.0	1.0	24.0	1.4	1.25E-03	21.1	1.2	2.79E-02		
C11orf95	1.6	1.0	2.3	1.4	1.08E-02	2.2	1.4	1.30E-01		
IVNS1ABP	17.6	1.0	24.8	1.4	1.33E-02	25.0	1.4	8.29E-02		
ZNF844	3.1	1.0	4.4	1.4	9.75E-04	3.8	1.2	1.21E-02		
NCDN	5.4	1.0	7.6	1.4	1.34E-03	7.5	1.4	3.34E-01		
DOPEY1	2.0	1.0	2.9	1.4	8.52E-04	3.0	1.5	5.39E-01		
MXRA7	120.3	1.0	169.7	1.4	1.67E-03	148.5	1.2	3.45E-02		
TCTN3	3.5	1.0	5.0	1.4	9.77E-03	4.1	1.2	4.73E-02		
CDC42EP5	1.9	1.0	2.7	1.4	2.18E-02	3.2	1.7	3.02E-01		
CNN3	22.7	1.0	32.0	1.4	4.25E-02	37.1	1.6	3.30E-01		
IFITM1	59.0	1.0	83.0	1.4	1.97E-02	79.3	1.3	7.95E-02		
ZNF404	2.3	1.0	3.3	1.4	9.66E-03	3.1	1.3	8.28E-02		
SLC26A11	1.1	1.0	1.6	1.4	3.53E-03	1.4	1.2	4.76E-02		
RNF217	1.5	1.0	2.1	1.4	1.92E-02	2.5	1.7	5.23E-01		
SMS	13.1	1.0	18.5	1.4	1.29E-04	16.4	1.2	1.17E-02		
VAMP1	2.3	1.0	3.2	1.4	2.10E-02	2.8	1.2	4.56E-02		
TTLL3	2.1	1.0	3.0	1.4	4.72E-02	3.4	1.6	2.40E-01		
MED14	3.7	1.0	5.2	1.4	2.49E-04	4.7	1.3	8.40E-03		
PRKAR1A	123.8	1.0	173.9	1.4	5.08E-03	164.7	1.3	6.22E-02		
TRA2A	8.2	1.0	11.5	1.4	1.53E-03	15.1	1.8	6.33E-01		
PGCP	9.2	1.0	12.9	1.4	3.09E-02	13.3	1.5	2.35E-01		
LASS5	3.3	1.0	4.6	1.4	1.38E-03	5.4	1.6	1.83E-01		
TK2	2.3	1.0	3.2	1.4	6.22E-03	3.1	1.3	1.25E-01		
TRIM38	1.6	1.0	2.2	1.4	1.64E-02	2.3	1.5	1.27E-01		
ZSCAN18	11.0	1.0	15.4	1.4	3.99E-04	13.7	1.3	3.51E-03		
UBR1	3.9	1.0	5.4	1.4	9.59E-05	5.1	1.3	1.69E-01		
DUSP27	33.3	1.0	46.6	1.4	3.28E-02	67.9	2.0	2.10E-01		
UBB	363.8	1.0	509.4	1.4	3.69E-06	470.4	1.3	2.10E-02		
PLA2G6	2.5	1.0	3.5	1.4	1.26E-02	4.1	1.7	2.66E-01		
DNAL4	2.8	1.0	3.9	1.4	1.40E-03	3.5	1.3	2.74E-02		
C1orf198	10.1	1.0	14.1	1.4	1.16E-02	19.0	1.9	3.05E-01		
TLE4	1.7	1.0	2.4	1.4	7.07E-03	3.2	1.8	6.03E-01		

TSPYL1	9.9	1.0	13.8	1.4	1.03E-03	13.7	1.4	1.80E-01		
SIDT2	5.3	1.0	7.4	1.4	4.06E-03	8.0	1.5	1.38E-01		
DSE	2.5	1.0	3.5	1.4	4.24E-02	4.8	1.9	3.89E-01		
TCEA2	4.5	1.0	6.2	1.4	4.02E-03	6.3	1.4	1.47E-01		
NES	34.7	1.0	48.4	1.4	2.87E-02	65.7	1.9	2.97E-01		
RANBP10	2.5	1.0	3.5	1.4	7.06E-04	3.6	1.4	5.28E-02		
CEP164	1.4	1.0	2.0	1.4	6.30E-03	2.2	1.5	1.71E-01		
ATP6AP2	12.9	1.0	17.9	1.4	3.93E-03	17.2	1.3	6.44E-02		
HMGN1	17.2	1.0	24.0	1.4	2.31E-03	23.9	1.4	9.14E-02		
POGZ	7.9	1.0	11.0	1.4	7.63E-04	11.9	1.5	1.56E-01		
CRY2	15.5	1.0	21.6	1.4	4.39E-02	17.0	1.1	2.66E-02		
ANTXR2	5.3	1.0	7.4	1.4	3.47E-03	10.0	1.9	9.31E-01		
PPID	10.3	1.0	14.3	1.4	3.08E-04	13.5	1.3	3.10E-02		
EVL	10.6	1.0	14.7	1.4	2.07E-04	14.6	1.4	3.00E-02		
CLEC1A	1.2	1.0	1.7	1.4	5.82E-03	2.7	2.2	7.80E-01		
RCC2	2.5	1.0	3.5	1.4	1.29E-02	4.2	1.7	2.64E-01		
DZIP3	3.2	1.0	4.5	1.4	9.16E-03	3.7	1.2	2.73E-02		
ACYP1	2.8	1.0	3.8	1.4	3.53E-03	3.8	1.4	3.23E-02		
SIRPA	5.6	1.0	7.8	1.4	1.21E-02	6.8	1.2	2.33E-02		
ZFYVE27	3.5	1.0	4.8	1.4	5.32E-03	5.7	1.6	3.40E-01		
DCPS	3.4	1.0	4.8	1.4	4.76E-03	4.1	1.2	2.85E-02		
LRP5	8.5	1.0	11.7	1.4	4.02E-04	9.9	1.2	5.59E-03		
CSTF3	3.8	1.0	5.3	1.4	1.64E-03	5.1	1.3	2.98E-02		
ATP2B4	19.6	1.0	27.1	1.4	1.24E-03	26.9	1.4	9.05E-01		
TRIM45	3.0	1.0	4.1	1.4	3.29E-02	2.8	-1.1	7.87E-03	v	v
WDR31	3.7	1.0	5.1	1.4	3.48E-02	3.4	-1.1	1.45E-03	v	v
CDK8	2.5	1.0	3.5	1.4	1.02E-02	3.4	1.4	1.18E-01		
ANKRD13D	2.8	1.0	3.9	1.4	4.23E-03	3.5	1.3	4.50E-02		
TRIM4	1.5	1.0	2.1	1.4	2.82E-02	2.9	2.0	6.09E-01		
C11orf24	7.1	1.0	9.8	1.4	1.15E-02	8.6	1.2	1.31E-01		
PTPRA	7.8	1.0	10.8	1.4	1.46E-02	10.1	1.3	6.68E-02		
MAGED2	22.0	1.0	30.3	1.4	9.06E-03	26.2	1.2	1.79E-02		
SLC35A5	3.0	1.0	4.1	1.4	6.90E-03	4.0	1.3	1.41E-01		
SNRK	5.5	1.0	7.6	1.4	4.05E-02	10.1	1.8	3.52E-01		
HLTF	4.8	1.0	6.6	1.4	2.50E-03	5.5	1.1	6.52E-03		
RNMT	4.7	1.0	6.4	1.4	3.62E-05	5.5	1.2	5.47E-03		
MAGEH1	4.8	1.0	6.6	1.4	1.35E-02	5.5	1.2	2.47E-02		
WWTR1	7.4	1.0	10.2	1.4	1.23E-02	10.8	1.5	1.02E-01		
GDF11	2.3	1.0	3.2	1.4	1.47E-02	3.3	1.4	9.48E-01		
MYLIP	3.8	1.0	5.3	1.4	2.50E-02	5.5	1.4	1.39E-01		
MGEA5	22.8	1.0	31.4	1.4	1.06E-04	31.5	1.4	1.08E-01		
PCDHGA2	1.9	1.0	2.7	1.4	1.90E-03	2.2	1.1	6.71E-02		
R3HDM2	8.6	1.0	11.9	1.4	1.59E-03	13.1	1.5	5.61E-01		
NT5C2	5.4	1.0	7.4	1.4	2.78E-03	7.6	1.4	9.82E-02		
KCTD2	7.4	1.0	10.2	1.4	5.41E-04	10.1	1.4	5.92E-01		
C16orf62	4.4	1.0	6.1	1.4	1.09E-05	6.3	1.4	2.52E-02		
ZNF467	1.6	1.0	2.2	1.4	1.36E-02	2.2	1.4	7.44E-02		
C5orf53	2.9	1.0	4.0	1.4	2.46E-03	3.6	1.2	4.49E-02		
SEPT2	44.1	1.0	60.5	1.4	1.81E-02	59.1	1.3	2.01E-01		
ROR1	3.1	1.0	4.3	1.4	4.36E-02	4.2	1.4	9.89E-01		
RNF40	6.4	1.0	8.8	1.4	8.10E-05	8.8	1.4	5.21E-02		
SHQ1	2.2	1.0	3.1	1.4	1.32E-03	3.0	1.3	8.13E-02		
SVIL	69.1	1.0	94.7	1.4	7.36E-03	108.9	1.6	4.26E-01		
DYNC1LI2	16.8	1.0	23.1	1.4	1.92E-03	25.5	1.5	4.83E-01		
VIPAR	4.7	1.0	6.4	1.4	1.13E-04	6.0	1.3	4.41E-03		
KDM5B	1.9	1.0	2.6	1.4	1.49E-03	3.3	1.7	3.42E-01		
ANXA5	55.6	1.0	76.2	1.4	3.93E-02	87.7	1.6	5.28E-01		
ABHD11	3.9	1.0	5.4	1.4	2.07E-04	4.1	1.0	1.41E-03		
STMN1	12.6	1.0	17.3	1.4	4.86E-02	14.3	1.1	3.44E-02		
ASCC2	7.9	1.0	10.8	1.4	6.82E-04	10.8	1.4	2.79E-02		
FUT8	1.7	1.0	2.3	1.4	1.22E-02	2.4	1.4	1.14E-01		
CLK1	21.7	1.0	29.6	1.4	2.13E-02	51.0	2.4	6.94E-01		
MTMR9LP	3.1	1.0	4.3	1.4	1.41E-02	3.5	1.1	3.21E-02		
SQSTM1	68.2	1.0	93.2	1.4	1.68E-04	93.8	1.4	5.99E-02		
TBC1D9	3.7	1.0	5.0	1.4	7.13E-03	4.9	1.3	4.90E-02		
CPT1A	10.2	1.0	13.9	1.4	1.25E-02	11.2	1.1	7.15E-03		
WIPF1	3.0	1.0	4.1	1.4	3.90E-02	5.0	1.7	2.42E-01		
NLRP1	3.8	1.0	5.2	1.4	4.44E-02	6.1	1.6	1.86E-01		
PRR24	4.0	1.0	5.5	1.4	4.03E-02	6.1	1.5	1.56E-01		
MBP	5.9	1.0	8.0	1.4	4.68E-02	6.1	1.0	5.59E-03		
NDN	6.8	1.0	9.3	1.4	6.98E-03	8.5	1.2	4.17E-02		
ARF4	23.7	1.0	32.3	1.4	1.37E-03	34.4	1.5	3.48E-01		
SUMF2	6.6	1.0	9.0	1.4	2.57E-02	8.0	1.2	3.61E-02		
TRIP6	4.6	1.0	6.3	1.4	4.01E-02	7.1	1.5	2.22E-01		
RNF38	4.6	1.0	6.3	1.4	8.76E-04	7.7	1.7	8.37E-01		
COPA	17.7	1.0	24.1	1.4	5.79E-07	25.4	1.4	2.52E-01		
BDH2	4.2	1.0	5.7	1.4	4.10E-02	5.5	1.3	6.96E-02		
B9D1	2.1	1.0	2.8	1.4	2.01E-02	2.3	1.1	1.96E-01		
TM7SF3	3.2	1.0	4.4	1.4	1.83E-02	4.0	1.2	4.53E-02		
COMT	10.3	1.0	14.0	1.4	1.34E-03	14.0	1.4	3.78E-01		
C15orf38	3.3	1.0	4.4	1.4	2.51E-02	4.7	1.4	3.14E-01		
DDX39B	36.2	1.0	49.2	1.4	1.21E-05	52.5	1.4	6.41E-02		
FUBP3	7.6	1.0	10.4	1.4	1.28E-04	11.2	1.5	1.27E-01		
TTC5	1.7	1.0	2.3	1.4	7.28E-03	2.1	1.2	5.49E-03		
BHLHE41	2.7	1.0	3.7	1.4	5.01E-03	2.3	-1.2	1.05E-04		
VRK3	3.9	1.0	5.3	1.4	1.02E-04	5.6	1.4	3.28E-02		
GPCPD1	3.0	1.0	4.1	1.4	1.02E-03	4.0	1.3	4.82E-02		
LMTK2	4.9	1.0	6.7	1.4	6.88E-04	5.9	1.2	4.19E-02		

SPECC1	1.6	1.0	2.2	1.4	3.51E-02	2.7	1.7	7.93E-01		
KDSR	2.9	1.0	3.9	1.4	2.71E-03	4.0	1.4	4.72E-02		
SAMD4A	20.5	1.0	27.8	1.4	8.53E-03	29.1	1.4	9.44E-01		
MAPRE2	31.8	1.0	43.2	1.4	9.16E-03	60.8	1.9	6.14E-02		
BROX	4.1	1.0	5.6	1.4	1.45E-02	5.7	1.4	2.06E-01		
PAFAH2	2.4	1.0	3.3	1.4	3.00E-02	2.7	1.1	4.04E-02		
OC10050614	3.2	1.0	4.4	1.4	3.01E-02	4.2	1.3	1.19E-01		
FAM110B	4.2	1.0	5.8	1.4	4.07E-03	4.2	-1.0	2.90E-04	∨	∨
LEPROTL1	10.2	1.0	13.8	1.4	2.29E-03	9.5	-1.1	3.60E-03	∨	∨
CREB3L2	4.0	1.0	5.4	1.4	1.56E-02	5.2	1.3	1.20E-01		
CHMP5	13.4	1.0	18.1	1.4	2.74E-05	17.9	1.3	5.49E-03		
CYB5R1	46.3	1.0	62.8	1.4	2.03E-03	53.1	1.1	7.68E-02		
C17orf85	3.8	1.0	5.2	1.4	3.44E-03	6.0	1.6	2.18E-01		
PTPDC1	2.1	1.0	2.9	1.4	1.07E-02	3.5	1.6	5.63E-01		
TNFRSF25	3.3	1.0	4.4	1.4	3.54E-02	3.7	1.1	2.87E-02		
GFPT1	3.8	1.0	5.1	1.4	8.25E-03	5.3	1.4	6.40E-01		
STAG3L1	1.8	1.0	2.5	1.4	3.31E-02	2.4	1.3	9.93E-02		
MPHOSPH8	9.4	1.0	12.7	1.4	1.43E-04	12.6	1.3	1.53E-02		
ABCA3	1.9	1.0	2.6	1.4	2.20E-04	2.2	1.1	1.71E-02		
RRAGB	2.9	1.0	3.9	1.4	5.57E-03	3.2	1.1	3.38E-03		
NAB1	5.0	1.0	6.8	1.4	2.63E-02	6.5	1.3	1.11E-01		
C8orf41	1.9	1.0	2.6	1.4	4.66E-04	2.5	1.3	1.76E-02		
PI4K2A	4.3	1.0	5.8	1.4	1.25E-03	7.8	1.8	4.07E-01		
CUX1	24.5	1.0	33.1	1.4	3.66E-03	32.8	1.3	5.63E-01		
PGM3	1.9	1.0	2.6	1.4	9.72E-03	2.7	1.4	3.12E-01		
SP110	2.6	1.0	3.5	1.4	4.31E-02	3.4	1.3	8.55E-02		
LNX2	2.5	1.0	3.4	1.4	2.32E-04	3.2	1.3	1.22E-02		
MAP7D3	4.0	1.0	5.3	1.4	5.20E-04	5.4	1.4	5.10E-02		
FAM111A	2.0	1.0	2.7	1.4	3.51E-02	2.7	1.4	1.30E-01		
C22orf46	4.1	1.0	5.5	1.4	5.59E-03	5.5	1.3	2.24E-01		
MPV17	9.9	1.0	13.3	1.4	6.95E-03	11.3	1.1	3.43E-02		
MTMR3	4.8	1.0	6.5	1.3	1.63E-03	7.1	1.5	4.94E-01		
CASP3	3.1	1.0	4.1	1.3	2.72E-02	8.4	2.8	5.40E-02		
CNKSR3	3.4	1.0	4.6	1.3	1.94E-02	6.5	1.9	4.24E-01		
RABEPK	3.1	1.0	4.2	1.3	2.40E-02	3.7	1.2	3.21E-02		
NTN4	20.3	1.0	27.3	1.3	5.96E-03	19.3	-1.0	2.34E-03	∨	∨
FUT11	3.4	1.0	4.5	1.3	1.86E-03	4.0	1.2	1.95E-02		
SLC23A2	2.2	1.0	3.0	1.3	4.65E-02	3.0	1.3	9.24E-02		
WBP1	14.1	1.0	18.9	1.3	2.23E-03	18.3	1.3	9.45E-02		
DST	23.5	1.0	31.6	1.3	4.04E-04	30.0	1.3	2.00E-01		
TULP3	2.6	1.0	3.5	1.3	3.13E-02	4.1	1.6	2.86E-01		
NDE1	2.0	1.0	2.6	1.3	2.91E-03	3.0	1.5	2.47E-01		
TTC23	2.2	1.0	2.9	1.3	2.58E-04	3.0	1.4	1.73E-01		
CCDC82	3.3	1.0	4.5	1.3	1.60E-02	4.6	1.4	1.23E-01		
STX16	9.7	1.0	13.0	1.3	6.48E-03	13.9	1.4	1.27E-01		
TAF1	2.6	1.0	3.5	1.3	6.35E-03	3.6	1.4	1.38E-01		
MYCBP	1.8	1.0	2.4	1.3	1.55E-02	2.3	1.3	2.42E-01		
C10orf71	18.2	1.0	24.4	1.3	2.61E-02	21.0	1.2	2.92E-01		
SMAD1	3.2	1.0	4.2	1.3	3.75E-03	4.7	1.5	4.34E-01		
ACBD4	2.6	1.0	3.5	1.3	1.10E-02	2.9	1.1	9.40E-03		
YEATS2	2.4	1.0	3.2	1.3	8.85E-03	2.8	1.2	5.29E-02		
PFN2	13.0	1.0	17.5	1.3	2.95E-02	14.2	1.1	2.34E-02		
ZNF691	2.3	1.0	3.0	1.3	1.89E-02	2.7	1.2	1.72E-01		
MAP2K3	9.2	1.0	12.4	1.3	2.02E-03	14.7	1.6	5.84E-01		
DPM2	2.9	1.0	3.9	1.3	2.35E-02	4.1	1.4	2.27E-01		
USP22	19.9	1.0	26.7	1.3	1.65E-05	27.3	1.4	1.44E-01		
HSPH1	10.3	1.0	13.9	1.3	2.50E-04	21.8	2.1	2.07E-01		
CAPN3	3.2	1.0	4.3	1.3	2.55E-02	4.9	1.5	2.38E-01		
MED17	3.3	1.0	4.4	1.3	1.25E-04	4.7	1.4	3.23E-01		
KLHL12	5.5	1.0	7.4	1.3	3.65E-05	7.4	1.3	1.66E-02		
KIF13B	1.9	1.0	2.5	1.3	3.83E-02	3.7	2.0	6.20E-01		
SORD	2.9	1.0	3.9	1.3	2.79E-02	2.4	-1.2	4.73E-04		
VPS8	9.4	1.0	12.6	1.3	6.62E-03	10.8	1.1	9.00E-03		
ARL15	3.2	1.0	4.2	1.3	2.66E-02	5.5	1.7	5.24E-01		
TMED4	18.6	1.0	24.9	1.3	5.90E-05	22.0	1.2	9.64E-03		
EHMT2	2.7	1.0	3.6	1.3	8.31E-03	3.0	1.1	2.23E-02		
NRN1	3.0	1.0	4.0	1.3	3.10E-02	3.2	1.1	4.09E-02		
SPPL3	4.4	1.0	5.8	1.3	8.69E-04	5.4	1.2	1.14E-02		
FBXO8	4.5	1.0	6.0	1.3	2.26E-04	6.2	1.4	3.20E-01		
C10orf57	2.3	1.0	3.1	1.3	1.61E-03	2.5	1.1	6.55E-03		
LENG1	4.8	1.0	6.4	1.3	1.22E-02	6.4	1.3	3.04E-01		
FNDC3A	4.4	1.0	5.9	1.3	1.73E-02	6.1	1.4	1.43E-01		
C5orf4	9.6	1.0	12.8	1.3	4.42E-02	12.2	1.3	1.12E-01		
ZC3H8	2.2	1.0	3.0	1.3	1.27E-02	2.6	1.2	7.69E-02		
UBAC2	7.5	1.0	10.0	1.3	1.54E-05	10.0	1.3	4.61E-02		
AP4S1	2.3	1.0	3.0	1.3	1.78E-03	2.7	1.2	4.17E-02		
C9orf119	4.4	1.0	5.9	1.3	3.04E-03	4.9	1.1	2.07E-02		
ERC1	5.6	1.0	7.5	1.3	6.40E-04	7.2	1.3	2.57E-02		
PFKL	11.4	1.0	15.2	1.3	1.70E-02	14.2	1.2	3.94E-02		
RGS3	19.8	1.0	26.4	1.3	9.83E-03	21.2	1.1	1.67E-01		
DAP	8.9	1.0	11.9	1.3	4.92E-02	11.3	1.3	9.69E-02		
HEG1	14.8	1.0	19.7	1.3	6.51E-03	20.7	1.4	2.16E-01		
PCGF2	3.6	1.0	4.8	1.3	1.26E-02	5.1	1.4	2.67E-01		
PPWD1	5.6	1.0	7.5	1.3	2.66E-03	7.2	1.3	3.18E-02		
CDC42SE1	6.4	1.0	8.6	1.3	2.49E-02	13.5	2.1	7.70E-01		
NME7	2.3	1.0	3.0	1.3	4.06E-03	2.6	1.2	6.75E-02		
MAN1A2	2.2	1.0	2.9	1.3	3.38E-02	2.6	1.2	2.30E-01		
CLSTN1	11.5	1.0	15.3	1.3	6.68E-04	13.6	1.2	1.49E-02		

KLHDC4	2.1	1.0	2.7	1.3	1.56E-02	3.0	1.4	1.32E-01		
DPCD	7.3	1.0	9.8	1.3	6.83E-03	7.0	-1.1	1.19E-02	V	V
ARFIP1	2.9	1.0	3.8	1.3	6.66E-03	4.0	1.4	1.57E-01		
SPECC1L	6.1	1.0	8.2	1.3	1.73E-04	7.3	1.2	3.53E-02		
PKD1	11.1	1.0	14.7	1.3	8.36E-03	15.6	1.4	6.75E-01		
RNF146	14.5	1.0	19.3	1.3	9.01E-03	26.6	1.8	8.38E-01		
IL18BP	2.4	1.0	3.2	1.3	2.09E-02	3.0	1.3	6.68E-02		
CCND2	22.1	1.0	29.4	1.3	3.57E-02	23.8	1.1	1.39E-02		
USP46	5.2	1.0	6.9	1.3	2.94E-03	8.4	1.6	1.98E-01		
SLC35B3	2.3	1.0	3.0	1.3	3.17E-02	3.4	1.5	2.68E-01		
PHF15	3.3	1.0	4.4	1.3	2.16E-03	4.2	1.3	3.68E-03		
BPHL	3.3	1.0	4.4	1.3	2.71E-02	3.8	1.2	6.43E-02		
NBPF10	1.6	1.0	2.1	1.3	3.40E-02	2.1	1.4	2.63E-01		
HEXB	25.6	1.0	34.1	1.3	7.61E-03	31.1	1.2	5.22E-03		
CDC42EP1	6.3	1.0	8.3	1.3	4.46E-02	10.1	1.6	4.65E-01		
CFI	4.1	1.0	5.4	1.3	4.10E-02	5.8	1.4	1.11E-01		
COQ10B	6.3	1.0	8.4	1.3	4.01E-04	9.1	1.4	1.87E-01		
CCDC137	1.8	1.0	2.4	1.3	1.93E-04	2.6	1.4	9.67E-02		
ANKMY2	8.5	1.0	11.2	1.3	3.01E-03	8.5	1.0	4.14E-03		
RENBP	2.4	1.0	3.2	1.3	3.05E-02	2.8	1.2	4.61E-02		
ZNF259	5.3	1.0	7.0	1.3	3.43E-04	7.8	1.5	1.37E-01		
AMT	7.7	1.0	10.2	1.3	7.54E-03	8.7	1.1	5.90E-03		
LATS2	4.6	1.0	6.0	1.3	3.19E-03	8.8	1.9	5.99E-01		
C20orf194	6.2	1.0	8.3	1.3	2.94E-03	7.4	1.2	6.30E-02		
CASP4	5.3	1.0	7.1	1.3	4.71E-02	8.4	1.6	1.97E-01		
RYBP	2.9	1.0	3.9	1.3	4.10E-02	5.5	1.9	7.36E-01		
ARHGEF9	7.6	1.0	10.0	1.3	3.91E-04	8.7	1.1	3.53E-02		
FAM177A1	7.1	1.0	9.4	1.3	1.07E-02	9.9	1.4	8.22E-01		
AKAP2	19.8	1.0	26.2	1.3	9.26E-03	25.1	1.3	3.21E-03		
RPE	2.1	1.0	2.8	1.3	3.57E-03	2.8	1.3	6.35E-02		
FAM115A	7.9	1.0	10.4	1.3	3.62E-03	10.3	1.3	3.34E-01		
FCF1	2.9	1.0	3.8	1.3	1.11E-03	3.9	1.4	2.60E-01		
MAP2K5	4.0	1.0	5.3	1.3	2.55E-03	5.2	1.3	4.98E-02		
METRN	7.3	1.0	9.6	1.3	1.33E-02	8.7	1.2	4.73E-02		
NEK1	2.6	1.0	3.5	1.3	7.21E-03	3.2	1.2	1.45E-01		
GLG1	10.5	1.0	13.9	1.3	4.74E-04	14.7	1.4	3.26E-01		
CRELD1	15.5	1.0	20.5	1.3	2.05E-03	16.9	1.1	5.04E-03		
ZNF521	2.0	1.0	2.6	1.3	3.97E-02	2.3	1.2	3.61E-02		
CETN3	5.8	1.0	7.6	1.3	8.43E-04	6.5	1.1	2.23E-02		
BRF2	2.9	1.0	3.8	1.3	8.65E-04	3.1	1.1	1.47E-03		
PJA1	4.0	1.0	5.2	1.3	2.75E-02	4.6	1.2	1.06E-01		
GTPBP1	4.4	1.0	5.9	1.3	8.78E-05	6.7	1.5	1.81E-01		
CWC22	2.8	1.0	3.7	1.3	1.33E-03	4.2	1.5	2.61E-01		
SEC61A2	2.8	1.0	3.7	1.3	2.83E-05	3.5	1.2	7.94E-02		
RBP7	12.5	1.0	16.5	1.3	3.34E-02	17.9	1.4	9.92E-02		
XPO1	12.5	1.0	16.5	1.3	6.16E-04	18.0	1.4	2.20E-01		
PPCS	10.5	1.0	13.8	1.3	4.81E-04	12.5	1.2	1.73E-02		
SRXN1	2.3	1.0	3.1	1.3	1.92E-03	2.2	-1.1	6.64E-04	V	V
PIGT	42.0	1.0	55.4	1.3	2.75E-02	38.1	-1.1	3.17E-03	V	V
CCDC28A	3.8	1.0	5.0	1.3	4.65E-03	5.8	1.5	1.76E-01		
NUP188	3.8	1.0	5.0	1.3	3.58E-03	6.9	1.8	2.46E-01		
MLYCD	39.9	1.0	52.7	1.3	1.16E-02	47.5	1.2	6.25E-02		
TRAFD1	5.7	1.0	7.5	1.3	2.48E-03	11.0	1.9	2.71E-01		
MGAT5	10.6	1.0	14.0	1.3	1.67E-02	11.1	1.0	3.11E-02		
GATA6	14.1	1.0	18.6	1.3	1.49E-03	19.9	1.4	4.70E-01		
ZEB2	8.5	1.0	11.2	1.3	2.35E-02	10.0	1.2	1.31E-01		
PLEKHA2	5.2	1.0	6.9	1.3	1.21E-02	6.1	1.2	9.63E-03		
DOCK1	4.4	1.0	5.8	1.3	1.54E-02	6.2	1.4	1.72E-01		
CLIP2	1.8	1.0	2.4	1.3	9.92E-03	2.0	1.1	4.00E-03		
ACSL4	7.6	1.0	9.9	1.3	1.26E-03	11.8	1.6	5.74E-01		
SLC2A12	4.0	1.0	5.3	1.3	3.14E-02	4.7	1.2	1.31E-01		
SEC22B	8.9	1.0	11.7	1.3	1.33E-03	11.8	1.3	9.24E-02		
ATG14	4.6	1.0	6.1	1.3	7.16E-03	6.3	1.4	1.07E-01		
IRF2	5.0	1.0	6.6	1.3	2.01E-03	6.0	1.2	2.70E-02		
MSH2	3.3	1.0	4.3	1.3	1.38E-02	3.7	1.1	6.13E-03		
HEXA	11.5	1.0	15.1	1.3	1.75E-02	13.7	1.2	1.18E-02		
PTPN14	2.5	1.0	3.2	1.3	2.19E-02	4.2	1.7	4.62E-01		
DDX18	5.9	1.0	7.7	1.3	1.32E-03	8.1	1.4	9.62E-02		
SEMA3G	4.2	1.0	5.5	1.3	2.54E-02	6.1	1.4	1.10E-01		
ACAD11	7.5	1.0	9.9	1.3	1.42E-03	8.0	1.1	4.08E-03		
BCOR	3.3	1.0	4.3	1.3	2.75E-03	4.4	1.4	2.72E-01		
DPM1	15.0	1.0	19.7	1.3	3.15E-03	17.6	1.2	4.73E-03		
NRP1	21.7	1.0	28.5	1.3	3.91E-03	18.3	-1.2	7.22E-04		
HFE2	13.2	1.0	17.4	1.3	2.62E-02	16.9	1.3	7.59E-01		
TRIM52	2.6	1.0	3.5	1.3	8.60E-03	3.4	1.3	1.39E-01		
RBM4B	3.3	1.0	4.3	1.3	5.13E-03	4.3	1.3	4.56E-02		
ST6GALNAC4	6.5	1.0	8.5	1.3	1.39E-02	7.8	1.2	1.88E-01		
BCLAF1	8.7	1.0	11.5	1.3	1.06E-03	13.4	1.5	3.64E-01		
SMEK2	4.6	1.0	6.0	1.3	2.51E-03	7.1	1.5	2.91E-01		
RAB7L1	2.3	1.0	3.1	1.3	2.25E-02	2.3	-1.0	7.15E-03	V	V
KCTD7	2.6	1.0	3.4	1.3	2.10E-02	3.0	1.2	6.56E-02		
HSPA8	306.3	1.0	401.9	1.3	4.13E-03	510.7	1.7	1.16E-01		
CDKN2AIP	3.1	1.0	4.1	1.3	5.16E-03	4.2	1.4	9.02E-02		
CBY1	13.4	1.0	17.6	1.3	7.50E-04	16.5	1.2	1.93E-02		
ATP2C1	12.8	1.0	16.7	1.3	1.75E-04	17.7	1.4	2.41E-01		
LDLRAP1	3.2	1.0	4.1	1.3	3.22E-03	3.5	1.1	7.07E-03		
CPOX	2.9	1.0	3.8	1.3	2.88E-03	3.1	1.1	2.39E-03		
CHPF2	4.2	1.0	5.5	1.3	2.56E-02	5.5	1.3	4.46E-01		

NFASC	3.3	1.0	4.3	1.3	3.32E-02	4.8	1.4	5.75E-01		
TERF1	3.7	1.0	4.8	1.3	3.93E-05	4.2	1.1	2.52E-03		
WLS	16.3	1.0	21.3	1.3	1.02E-02	21.2	1.3	3.22E-02		
GOLGA3	4.5	1.0	5.9	1.3	2.23E-02	6.7	1.5	7.98E-01		
CHID1	5.4	1.0	7.1	1.3	7.87E-03	7.0	1.3	4.27E-02		
TMED3	7.3	1.0	9.5	1.3	2.85E-02	8.6	1.2	1.21E-01		
WIPI1	27.7	1.0	36.3	1.3	2.55E-02	32.3	1.2	8.92E-02		
SH3YL1	2.1	1.0	2.7	1.3	2.82E-02	2.8	1.3	1.02E-01		
GEMIN8	1.8	1.0	2.4	1.3	1.67E-02	2.5	1.4	2.63E-01		
SKI	7.1	1.0	9.2	1.3	9.09E-03	10.3	1.5	3.45E-01		
CHMP4A	9.8	1.0	12.9	1.3	1.06E-04	12.8	1.3	2.19E-02		
KIAA1671	1.7	1.0	2.2	1.3	2.76E-02	1.9	1.1	3.81E-02		
EFR3A	9.3	1.0	12.2	1.3	2.99E-02	12.6	1.4	4.36E-01		
TUT1	2.7	1.0	3.6	1.3	4.62E-04	3.5	1.3	3.62E-02		
ZNF419	1.8	1.0	2.3	1.3	1.76E-03	2.5	1.4	9.13E-01		
RAP1B	13.2	1.0	17.2	1.3	2.87E-02	19.4	1.5	1.83E-01		
SMURF2	2.0	1.0	2.6	1.3	5.28E-03	3.0	1.5	3.07E-01		
CHCHD5	5.3	1.0	6.9	1.3	1.65E-03	5.7	1.1	4.03E-04		
SS18	8.3	1.0	10.9	1.3	2.43E-03	12.0	1.4	2.54E-01		
IGF1R	4.7	1.0	6.2	1.3	3.66E-02	6.3	1.3	1.73E-01		
FKBP7	1.8	1.0	2.3	1.3	4.63E-02	2.0	1.1	5.90E-02		
TTLL1	2.7	1.0	3.6	1.3	2.27E-03	2.7	1.0	8.90E-03		
RNF103	16.0	1.0	20.9	1.3	1.60E-02	23.8	1.5	7.70E-01		
ALDH3A2	10.6	1.0	13.9	1.3	4.68E-03	13.0	1.2	1.19E-01		
UNC45A	5.0	1.0	6.5	1.3	7.00E-03	6.5	1.3	7.50E-02		
LENG8	29.1	1.0	38.0	1.3	1.02E-02	40.3	1.4	1.06E-01		
PYGO2	3.7	1.0	4.8	1.3	1.16E-02	4.9	1.3	6.52E-02		
KIFC3	12.6	1.0	16.5	1.3	4.85E-03	12.7	1.0	2.41E-02		
ADCY4	7.3	1.0	9.5	1.3	1.54E-02	9.4	1.3	5.73E-02		
C6orf62	12.3	1.0	16.0	1.3	1.27E-02	17.5	1.4	1.68E-01		
ZNF263	2.5	1.0	3.3	1.3	6.88E-03	4.4	1.7	5.37E-01		
NEIL2	2.6	1.0	3.4	1.3	3.01E-02	3.0	1.2	2.79E-01		
CLUAP1	4.4	1.0	5.8	1.3	4.42E-03	5.2	1.2	2.03E-02		
MPRIP	37.6	1.0	49.0	1.3	8.16E-04	52.5	1.4	9.44E-01		
LRP3	3.8	1.0	4.9	1.3	2.58E-02	4.9	1.3	9.57E-02		
PDGFC	2.5	1.0	3.2	1.3	7.08E-03	3.0	1.2	2.30E-02		
ZNF337	3.5	1.0	4.6	1.3	1.20E-02	5.1	1.4	1.91E-01		
ACACA	2.0	1.0	2.6	1.3	4.41E-03	2.2	1.1	1.54E-02		
ARMC10	4.4	1.0	5.7	1.3	7.10E-03	5.3	1.2	2.62E-02		
TCEAL8	8.5	1.0	11.0	1.3	1.08E-04	8.7	1.0	8.47E-05		
ESYT1	7.4	1.0	9.6	1.3	1.43E-02	9.3	1.3	5.35E-02		
PRKACB	5.0	1.0	6.4	1.3	2.25E-03	6.3	1.3	1.25E-01		
FGD5	3.4	1.0	4.5	1.3	3.88E-02	4.5	1.3	1.53E-01		
EIF2S3	11.8	1.0	15.3	1.3	1.46E-02	15.6	1.3	9.42E-02		
BBS2	11.5	1.0	15.0	1.3	1.84E-03	13.7	1.2	5.80E-03		
KIDINS220	10.7	1.0	13.8	1.3	6.57E-04	13.4	1.3	7.60E-02		
ANKH	11.8	1.0	15.4	1.3	5.76E-03	14.4	1.2	1.14E-01		
DYNLT1	26.1	1.0	33.8	1.3	2.86E-04	39.9	1.5	3.80E-01		
C14orf1	2.9	1.0	3.8	1.3	4.54E-03	3.4	1.2	5.00E-02		
AKIRIN2	8.4	1.0	10.9	1.3	7.01E-04	12.3	1.5	1.02E-01		
OXCT1	62.7	1.0	81.2	1.3	2.36E-02	79.6	1.3	6.42E-01		
SCRN2	7.7	1.0	10.0	1.3	9.08E-03	9.2	1.2	4.01E-02		
JMY	1.9	1.0	2.5	1.3	5.54E-03	2.9	1.5	2.58E-01		
C7orf50	14.3	1.0	18.5	1.3	2.42E-04	15.5	1.1	6.34E-03		
CYLD	2.9	1.0	3.7	1.3	3.63E-03	4.8	1.7	4.48E-01		
CASD1	4.7	1.0	6.1	1.3	1.16E-04	5.8	1.2	9.25E-03		
PHF19	2.3	1.0	3.0	1.3	4.63E-02	3.3	1.4	3.08E-01		
RWDD2A	2.0	1.0	2.6	1.3	2.45E-02	2.6	1.3	5.76E-01		
UPF1	7.3	1.0	9.4	1.3	1.56E-03	11.3	1.5	4.89E-01		
ZNF512	5.3	1.0	6.8	1.3	2.18E-03	7.1	1.3	9.66E-02		
CDK7	3.6	1.0	4.7	1.3	2.66E-03	4.3	1.2	3.27E-03		
EPB41L1	3.0	1.0	3.9	1.3	1.58E-02	3.0	1.0	1.09E-03		
CCNI	52.4	1.0	67.9	1.3	1.17E-03	75.8	1.4	1.97E-01		
ARHGEF12	13.2	1.0	17.1	1.3	7.47E-03	17.4	1.3	5.56E-01		
GNG12	7.6	1.0	9.9	1.3	3.49E-02	12.7	1.7	8.32E-01		
BEX4	17.9	1.0	23.1	1.3	7.93E-03	20.4	1.1	4.00E-04		
HPS5	2.1	1.0	2.7	1.3	1.17E-02	2.8	1.3	9.17E-02		
YPEL1	1.9	1.0	2.4	1.3	4.26E-02	3.1	1.7	6.66E-01		
PCCB	28.4	1.0	36.7	1.3	1.71E-03	31.6	1.1	4.12E-02		
COMMD6	8.8	1.0	11.3	1.3	4.77E-03	11.7	1.3	1.22E-01		
CDK10	5.2	1.0	6.7	1.3	3.34E-02	7.3	1.4	7.61E-02		
PDE6D	6.0	1.0	7.7	1.3	4.84E-03	6.4	1.1	3.50E-04		
ZKSCAN1	4.1	1.0	5.3	1.3	4.28E-02	5.1	1.2	2.19E-01		
ANP32A	19.9	1.0	25.8	1.3	2.00E-04	21.2	1.1	2.11E-03		
ZNF512B	3.0	1.0	3.9	1.3	4.49E-04	3.4	1.1	4.67E-03		
ALDH9A1	15.9	1.0	20.6	1.3	2.62E-04	17.6	1.1	4.76E-03		
PSMD10	5.1	1.0	6.6	1.3	3.44E-04	6.3	1.2	2.85E-02		
NSMCE1	9.6	1.0	12.4	1.3	6.82E-04	12.0	1.2	3.74E-03		
UBE2W	2.4	1.0	3.1	1.3	4.27E-03	3.3	1.4	1.57E-01		
FGGY	3.5	1.0	4.5	1.3	2.66E-02	4.1	1.2	2.70E-02		
CHD1L	2.6	1.0	3.3	1.3	2.07E-02	4.1	1.6	6.26E-01		
KIAA0226	2.7	1.0	3.5	1.3	4.91E-03	4.3	1.6	4.87E-01		
ARMCX3	6.8	1.0	8.8	1.3	4.64E-03	9.3	1.4	1.51E-01		
ZFYVE21	13.2	1.0	17.1	1.3	1.58E-04	17.2	1.3	4.47E-02		
MIER1	2.4	1.0	3.1	1.3	3.06E-02	3.9	1.6	5.51E-01		
SOBP	3.4	1.0	4.4	1.3	3.28E-02	3.7	1.1	3.36E-02		
MLL5	7.1	1.0	9.1	1.3	9.27E-03	10.3	1.5	1.72E-01		
HMGN4	6.0	1.0	7.7	1.3	1.02E-04	8.1	1.4	6.05E-02		

ZNF514	2.1	1.0	2.8	1.3	2.41E-02	2.9	1.3	1.05E-01		
AKAP13	35.1	1.0	45.3	1.3	9.25E-03	48.5	1.4	2.24E-01		
HNRNPC	40.5	1.0	52.2	1.3	2.96E-04	55.8	1.4	5.01E-02		
BACE1	4.0	1.0	5.1	1.3	6.88E-03	5.4	1.4	1.69E-01		
FBXW11	12.6	1.0	16.3	1.3	1.12E-03	17.8	1.4	5.99E-01		
GLOD4	6.6	1.0	8.5	1.3	2.63E-03	7.6	1.2	1.03E-02		
GRB10	6.5	1.0	8.4	1.3	3.88E-04	11.6	1.8	7.81E-01		
XPO7	8.7	1.0	11.3	1.3	6.30E-04	10.6	1.2	4.12E-03		
FUBP1	11.9	1.0	15.3	1.3	9.60E-05	15.7	1.3	7.78E-02		
LIMK2	2.8	1.0	3.6	1.3	4.35E-02	4.9	1.8	5.74E-01		
SOX17	2.1	1.0	2.7	1.3	3.01E-02	6.5	3.1	8.14E-01		
POLR2A	7.5	1.0	9.7	1.3	5.95E-04	11.1	1.5	3.64E-01		
C17orf28	2.6	1.0	3.4	1.3	4.81E-02	4.0	1.5	2.68E-01		
CTNNA3	3.1	1.0	3.9	1.3	3.59E-02	4.1	1.3	9.15E-01		
PTPN11	19.2	1.0	24.8	1.3	5.30E-03	26.5	1.4	9.78E-01		
C1orf97	4.1	1.0	5.3	1.3	2.49E-02	4.6	1.1	6.61E-02		
MAGI1	4.1	1.0	5.2	1.3	8.70E-03	6.0	1.5	5.55E-01		
TJP1	17.1	1.0	22.0	1.3	4.42E-04	22.7	1.3	1.04E-01		
PTRF	42.7	1.0	54.9	1.3	1.68E-03	55.1	1.3	1.50E-01		
USP20	2.8	1.0	3.5	1.3	1.91E-03	3.8	1.4	9.15E-02		
HMGB2	11.8	1.0	15.2	1.3	2.13E-02	18.4	1.6	4.23E-01		
EYA3	2.3	1.0	2.9	1.3	1.30E-03	3.1	1.3	2.30E-01		
TBL1X	2.2	1.0	2.8	1.3	1.67E-03	2.7	1.2	3.23E-02		
SEPT8	7.8	1.0	10.0	1.3	4.09E-04	8.5	1.1	1.34E-02		
FBXO21	8.8	1.0	11.3	1.3	1.49E-02	12.6	1.4	6.08E-01		
RDH11	4.6	1.0	5.9	1.3	1.92E-03	6.2	1.4	2.88E-01		
GATAD2B	3.0	1.0	3.9	1.3	6.49E-03	4.6	1.5	7.79E-01		
YWHAG	43.6	1.0	56.0	1.3	7.43E-04	73.8	1.7	2.86E-02		
SHISA5	11.3	1.0	14.5	1.3	4.25E-02	14.3	1.3	8.15E-02		
ISY1-RAB43	2.5	1.0	3.1	1.3	9.78E-03	3.0	1.2	6.07E-02		
ODF2	4.5	1.0	5.7	1.3	2.82E-02	6.0	1.3	1.10E-01		
EIF4G3	8.1	1.0	10.4	1.3	3.61E-03	10.5	1.3	2.65E-01		
C5orf32	26.0	1.0	33.4	1.3	1.73E-02	34.6	1.3	2.97E-01		
MEAF6	5.7	1.0	7.3	1.3	8.30E-05	9.0	1.6	9.20E-01		
FRY	10.0	1.0	12.9	1.3	4.04E-03	13.6	1.4	8.66E-01		
TOR1AIP1	10.0	1.0	12.8	1.3	1.75E-02	14.9	1.5	2.61E-01		
CSRNP2	4.1	1.0	5.2	1.3	2.77E-03	6.5	1.6	9.87E-01		
FAM178A	3.3	1.0	4.2	1.3	2.01E-02	3.8	1.2	9.21E-02		
INTS3	10.6	1.0	13.6	1.3	7.64E-03	15.2	1.4	1.37E-01		
FAM173B	1.7	1.0	2.1	1.3	4.37E-02	2.5	1.5	8.86E-01		
SRRM1	10.4	1.0	13.4	1.3	4.30E-03	14.4	1.4	7.69E-02		
FAM13A	3.1	1.0	3.9	1.3	4.94E-02	4.2	1.4	1.66E-01		
MGAT2	3.4	1.0	4.3	1.3	5.65E-03	5.1	1.5	4.91E-01		
C8orf76	3.2	1.0	4.2	1.3	4.16E-03	4.1	1.2	1.07E-02		
KIAA0141	10.9	1.0	14.0	1.3	2.76E-04	13.6	1.2	1.28E-02		
SCAF11	8.1	1.0	10.3	1.3	7.52E-03	10.5	1.3	1.95E-01		
C16orf45	19.2	1.0	24.6	1.3	7.37E-04	22.3	1.2	8.45E-02		
CREG1	23.7	1.0	30.4	1.3	1.53E-02	26.9	1.1	2.87E-03		
TBCA	39.0	1.0	50.0	1.3	1.06E-03	50.5	1.3	6.06E-02		
PLCG1	9.9	1.0	12.7	1.3	2.48E-03	16.2	1.6	4.17E-01		
ZSCAN21	1.8	1.0	2.3	1.3	4.08E-03	2.4	1.3	4.80E-01		
PTCD2	3.4	1.0	4.3	1.3	2.58E-02	3.4	1.0	6.54E-03		
SSH1	4.5	1.0	5.8	1.3	3.42E-03	5.7	1.3	1.40E-01		
OC10030695	5.1	1.0	6.6	1.3	2.20E-02	5.2	1.0	1.53E-05		
TNPO2	7.6	1.0	9.7	1.3	8.53E-05	9.5	1.2	7.52E-03		
ERCC2	2.5	1.0	3.2	1.3	1.87E-03	2.5	-1.0	1.71E-03		
PDK1	6.2	1.0	7.9	1.3	4.33E-02	6.2	-1.0	4.82E-02		
DIP2B	2.2	1.0	2.8	1.3	1.25E-02	3.1	1.4	2.13E-01		
FAM188A	3.1	1.0	3.9	1.3	5.92E-03	3.8	1.3	3.82E-02		
HSP90AA1	122.5	1.0	156.6	1.3	5.04E-04	176.5	1.4	9.30E-01		
DYNLT3	5.5	1.0	7.1	1.3	6.24E-03	6.9	1.2	7.81E-02		
CDC42EP3	12.5	1.0	16.0	1.3	1.66E-02	16.0	1.3	1.72E-02		
MFGE8	127.8	1.0	163.4	1.3	1.17E-02	158.8	1.2	5.05E-01		
TMEM50A	12.9	1.0	16.5	1.3	1.16E-03	16.6	1.3	4.81E-02		
EIF4A2	130.3	1.0	166.5	1.3	1.09E-03	165.3	1.3	5.68E-02		
WWC3	8.1	1.0	10.3	1.3	5.55E-04	11.1	1.4	1.82E-01		
ARHGEF2	8.0	1.0	10.2	1.3	3.81E-02	9.9	1.2	1.05E-01		
PRCP	13.4	1.0	17.1	1.3	3.35E-02	14.5	1.1	1.76E-02		
LMAN2L	5.3	1.0	6.7	1.3	2.93E-03	6.5	1.2	9.85E-02		
NICN1	3.3	1.0	4.3	1.3	7.04E-03	4.0	1.2	4.87E-02		
GNPDA1	5.3	1.0	6.7	1.3	2.26E-02	6.0	1.1	2.47E-02		
SCAMP4	3.1	1.0	3.9	1.3	9.69E-03	3.5	1.2	3.95E-02		
ADAR	11.9	1.0	15.2	1.3	2.03E-02	15.2	1.3	1.11E-01		
SPRED2	4.5	1.0	5.8	1.3	1.96E-02	8.1	1.8	6.04E-01		
PCDH12	3.0	1.0	3.9	1.3	4.58E-02	3.7	1.2	1.22E-01		
ITGB5	19.0	1.0	24.2	1.3	3.06E-02	23.3	1.2	3.12E-01		
ZNF193	1.7	1.0	2.2	1.3	4.69E-02	2.6	1.5	4.35E-01		
RAB11B	37.0	1.0	47.2	1.3	8.30E-04	45.6	1.2	2.75E-02		
DOLK	2.6	1.0	3.3	1.3	6.88E-03	2.4	-1.1	1.84E-03	v	v
WDFY3	2.3	1.0	2.9	1.3	1.89E-02	2.9	1.3	5.35E-02		
BMPR2	4.2	1.0	5.4	1.3	1.19E-03	5.2	1.2	4.84E-02		
FHOD3	49.4	1.0	62.9	1.3	2.35E-02	60.5	1.2	5.69E-01		
MCL1	29.5	1.0	37.6	1.3	8.80E-03	92.4	3.1	7.93E-01		
ZNF830	2.8	1.0	3.6	1.3	1.74E-02	4.6	1.6	9.19E-01		
ZBTB4	14.7	1.0	18.7	1.3	1.13E-03	16.0	1.1	2.37E-03		
TMEM39B	1.7	1.0	2.1	1.3	8.05E-03	2.2	1.3	6.77E-02		
TOM1L2	38.3	1.0	48.7	1.3	4.80E-04	43.9	1.1	3.72E-02		
ZFP62	2.6	1.0	3.3	1.3	2.61E-02	2.6	1.0	5.63E-03		

EIF1AX	8.7	1.0	11.1	1.3	2.71E-02	11.5	1.3	2.19E-01		
TMEM66	55.4	1.0	70.5	1.3	4.76E-04	69.7	1.3	1.20E-02		
LUZP6	7.3	1.0	9.2	1.3	1.04E-05	11.1	1.5	7.93E-01		
MTPN	7.3	1.0	9.2	1.3	1.04E-05	11.1	1.5	7.93E-01		
CLASP1	10.6	1.0	13.5	1.3	1.28E-03	13.6	1.3	1.49E-02		
RAB2B	2.9	1.0	3.7	1.3	3.46E-03	4.3	1.5	1.62E-01		
STX7	7.5	1.0	9.5	1.3	2.15E-03	8.7	1.2	1.46E-02		
APLP2	77.6	1.0	98.7	1.3	1.50E-02	96.9	1.2	1.02E-01		
GTF2B	3.9	1.0	4.9	1.3	2.03E-02	6.4	1.7	7.00E-01		
SLC25A6	64.2	1.0	81.7	1.3	3.03E-02	80.2	1.2	7.29E-02		
ATXN1L	3.6	1.0	4.6	1.3	6.60E-03	7.3	2.0	1.09E-01		
SIRT7	1.7	1.0	2.2	1.3	1.40E-02	2.6	1.5	3.24E-01		
GCC1	1.9	1.0	2.4	1.3	4.22E-03	2.6	1.4	2.06E-01		
FYN	8.8	1.0	11.2	1.3	3.09E-04	11.8	1.3	7.12E-02		
PDCD6	10.9	1.0	13.8	1.3	3.26E-03	13.2	1.2	1.32E-02		
UHRF2	3.1	1.0	3.9	1.3	5.27E-03	4.8	1.5	3.42E-01		
CDKN1B	11.5	1.0	14.6	1.3	8.09E-03	16.3	1.4	1.49E-01		
TCF12	6.5	1.0	8.2	1.3	1.19E-02	9.2	1.4	2.14E-01		
ATP9A	4.8	1.0	6.1	1.3	2.63E-02	5.9	1.2	1.20E-01		
CLTA	14.4	1.0	18.3	1.3	1.66E-02	18.3	1.3	5.65E-02		
PPP1R16B	2.0	1.0	2.6	1.3	4.04E-02	2.7	1.3	7.57E-02		
TRRAP	2.8	1.0	3.5	1.3	1.41E-03	3.5	1.3	5.81E-02		
LMO2	2.4	1.0	3.1	1.3	2.61E-02	2.8	1.1	4.74E-02		
SRSF9	6.2	1.0	7.8	1.3	2.10E-02	9.1	1.5	2.61E-01		
CEP57	4.8	1.0	6.1	1.3	4.82E-03	5.3	1.1	2.16E-02		
FAM120B	5.5	1.0	6.9	1.3	1.52E-03	6.9	1.3	3.33E-02		
KDM5C	5.2	1.0	6.6	1.3	2.41E-02	8.5	1.6	5.47E-01		
FAM120AOS	2.8	1.0	3.5	1.3	7.27E-03	3.3	1.2	3.30E-02		
GABARAPL1	115.2	1.0	146.0	1.3	1.16E-02	157.6	1.4	3.55E-01		
FOXP1	3.4	1.0	4.3	1.3	4.89E-02	4.7	1.4	1.48E-01		
ETHE1	3.8	1.0	4.8	1.3	7.41E-03	3.9	1.0	1.82E-03		
EFNA5	2.2	1.0	2.7	1.3	2.32E-02	2.9	1.4	7.52E-01		
ALDH6A1	17.6	1.0	22.3	1.3	4.10E-02	17.8	1.0	3.61E-03		
DALRD3	2.6	1.0	3.3	1.3	1.94E-02	3.1	1.2	7.26E-02		
ZNF641	2.6	1.0	3.3	1.3	3.12E-02	3.3	1.3	1.84E-01		
PTP4A1	5.9	1.0	7.4	1.3	4.41E-02	10.1	1.7	6.59E-01		
PREPL	13.0	1.0	16.5	1.3	1.15E-03	16.5	1.3	2.93E-01		
MPDZ	10.4	1.0	13.2	1.3	1.17E-02	12.1	1.2	1.60E-01		
GOPC	7.0	1.0	8.9	1.3	1.18E-04	9.0	1.3	1.57E-02		
CREM	9.9	1.0	12.5	1.3	1.09E-02	13.9	1.4	1.73E-01		
THAP3	3.2	1.0	4.1	1.3	2.84E-02	3.8	1.2	1.30E-02		
BOD1L	2.8	1.0	3.5	1.3	5.39E-03	3.5	1.3	4.44E-02		
RBM26	4.1	1.0	5.2	1.3	6.38E-03	5.5	1.3	1.55E-01		
POFUT2	3.8	1.0	4.7	1.3	9.19E-04	5.3	1.4	1.53E-01		
B3GALNT1	8.8	1.0	11.2	1.3	3.73E-02	6.8	-1.3	2.66E-03		
TXLNG	2.3	1.0	2.9	1.3	2.78E-02	3.6	1.6	2.68E-01		
TMEM8B	3.5	1.0	4.4	1.3	2.90E-03	4.0	1.1	8.51E-04		
ING4	6.2	1.0	7.8	1.3	2.38E-03	8.2	1.3	1.58E-01		
CDK14	2.6	1.0	3.3	1.3	1.15E-02	3.6	1.4	1.31E-01		
NDST2	2.6	1.0	3.3	1.3	9.76E-03	3.8	1.4	2.20E-01		
SOCS7	2.2	1.0	2.8	1.3	6.79E-03	3.0	1.4	4.65E-01		
HIP1	3.2	1.0	4.1	1.3	2.87E-03	4.5	1.4	2.05E-01		
TMEM138	2.8	1.0	3.5	1.3	1.95E-02	3.3	1.2	4.47E-02		
SLC2A11	2.4	1.0	3.0	1.3	3.13E-02	2.3	-1.0	3.33E-02		
ZDHHC14	2.4	1.0	3.0	1.3	2.31E-03	4.0	1.7	2.06E-01		
FMR1	4.7	1.0	6.0	1.3	1.78E-02	6.4	1.4	1.73E-01		
CNOT6	1.9	1.0	2.5	1.3	1.18E-02	2.6	1.3	3.27E-01		
PDCD2L	2.5	1.0	3.1	1.3	9.71E-03	2.6	1.1	2.48E-03		
HDGFRP3	10.0	1.0	12.6	1.3	1.59E-04	13.7	1.4	1.83E-01		
ANXA7	33.3	1.0	41.9	1.3	2.33E-04	39.4	1.2	1.42E-03		
ARHGEF6	12.5	1.0	15.7	1.3	8.03E-03	13.9	1.1	3.11E-02		
ZNF84	2.1	1.0	2.6	1.3	8.79E-03	2.6	1.2	6.83E-02		
SRA1	6.5	1.0	8.2	1.3	4.03E-03	7.8	1.2	1.53E-02		
SAMD4B	6.3	1.0	8.0	1.3	3.45E-03	9.9	1.6	4.26E-01		
GALNTL4	5.3	1.0	6.7	1.3	6.09E-03	6.6	1.2	8.17E-02		
AFF4	4.9	1.0	6.1	1.3	3.76E-02	8.8	1.8	5.80E-01		
TDP2	7.5	1.0	9.4	1.3	1.20E-03	9.1	1.2	4.11E-02		
ALKBH6	2.4	1.0	3.0	1.3	1.80E-02	3.1	1.3	1.38E-01		
C7orf11	3.7	1.0	4.6	1.3	3.48E-02	4.7	1.3	3.52E-02		
ERBB2IP	4.5	1.0	5.7	1.3	9.43E-03	5.8	1.3	1.29E-01		
OBSCN	25.6	1.0	32.3	1.3	2.49E-02	46.9	1.8	9.90E-02		
SLK	8.8	1.0	11.1	1.3	2.36E-02	11.9	1.3	7.50E-01		
SPIRE1	7.8	1.0	9.8	1.3	2.58E-02	9.9	1.3	5.72E-01		
FBXO38	6.4	1.0	8.0	1.3	1.45E-03	8.3	1.3	2.17E-01		
RGL1	5.1	1.0	6.5	1.3	3.34E-02	6.8	1.3	1.52E-01		
PAAF1	3.4	1.0	4.3	1.3	2.50E-02	4.7	1.4	1.14E-01		
ZNF160	4.8	1.0	6.0	1.3	1.80E-02	6.4	1.3	1.28E-01		
TTC14	4.8	1.0	6.1	1.3	7.25E-03	7.0	1.4	3.07E-01		
PDDC1	2.6	1.0	3.2	1.3	1.24E-02	3.3	1.3	2.49E-01		
HELZ	2.0	1.0	2.5	1.3	1.80E-03	2.7	1.4	3.12E-01		
PURB	2.3	1.0	2.9	1.3	1.03E-02	3.5	1.5	9.53E-01		
CREBL2	5.6	1.0	7.0	1.3	1.01E-02	7.1	1.3	5.28E-02		
SPEN	4.8	1.0	6.1	1.3	6.80E-03	8.0	1.7	9.82E-01		
STXBP1	8.0	1.0	10.0	1.3	5.26E-03	9.2	1.2	2.47E-02		
ISG20L2	3.1	1.0	3.9	1.3	1.32E-02	5.1	1.6	6.74E-01		
HNRNPH3	25.3	1.0	31.8	1.3	3.00E-03	38.0	1.5	5.50E-01		
SIAH2	4.2	1.0	5.3	1.3	7.91E-04	7.0	1.6	6.64E-01		
TMCC1	3.7	1.0	4.6	1.3	9.07E-05	4.7	1.3	4.32E-02		

SMG1	3.9	1.0	4.9	1.3	1.25E-02	6.2	1.6	6.76E-01		
PRR12	2.3	1.0	2.9	1.3	6.52E-03	2.5	1.1	1.40E-02		
TNIK	3.0	1.0	3.7	1.3	5.52E-03	4.2	1.4	4.50E-01		
CPT2	9.1	1.0	11.4	1.3	5.79E-03	10.4	1.1	4.29E-02		
NISCH	9.1	1.0	11.5	1.3	1.07E-02	13.1	1.4	1.89E-01		
BRD8	7.6	1.0	9.6	1.3	1.81E-03	12.1	1.6	8.94E-01		
TRIM26	3.9	1.0	4.9	1.3	2.65E-04	4.9	1.3	4.30E-02		
OTUD5	7.7	1.0	9.7	1.3	5.51E-03	11.3	1.5	2.42E-01		
CEP120	2.6	1.0	3.3	1.3	9.95E-03	3.6	1.4	1.74E-01		
DCLK2	3.6	1.0	4.5	1.3	3.77E-02	4.4	1.2	7.55E-01		
C12orf49	1.7	1.0	2.2	1.3	8.76E-03	2.3	1.3	1.20E-01		
PLOD3	6.6	1.0	8.2	1.3	3.28E-02	7.9	1.2	3.28E-02		
CHTOP	15.6	1.0	19.6	1.3	1.84E-03	20.0	1.3	9.10E-02		
RECQL5	1.9	1.0	2.3	1.3	1.38E-02	2.6	1.4	2.13E-01		
ATF1	2.9	1.0	3.7	1.3	3.28E-02	4.3	1.5	5.20E-01		
POLR3D	3.3	1.0	4.1	1.3	2.63E-02	4.9	1.5	3.04E-01		
C9orf125	10.8	1.0	13.6	1.3	2.09E-03	10.4	-1.0	3.19E-03		
C11orf49	4.0	1.0	5.0	1.3	1.24E-03	4.2	1.0	3.36E-03		
PDCD7	2.6	1.0	3.2	1.3	8.22E-03	3.2	1.3	3.79E-02		
GCLC	4.3	1.0	5.4	1.3	9.84E-04	5.9	1.4	2.11E-01		
PELP1	4.8	1.0	6.0	1.3	6.00E-03	6.2	1.3	1.06E-01		
CLK2	6.1	1.0	7.6	1.3	6.25E-03	8.2	1.3	1.10E-01		
KIAA1370	5.5	1.0	6.9	1.3	3.16E-02	11.0	2.0	2.06E-01		
ATP6V1C1	3.9	1.0	4.9	1.3	8.33E-05	5.2	1.3	3.38E-02		
CAND1	3.4	1.0	4.2	1.3	2.31E-02	5.0	1.5	2.75E-01		
CSNK2A2	6.7	1.0	8.4	1.3	1.29E-02	9.3	1.4	2.31E-01		
PDXP	5.2	1.0	6.5	1.3	3.36E-03	5.4	1.0	1.11E-03		
CAMK2B	18.1	1.0	22.6	1.3	8.99E-03	24.9	1.4	3.99E-01		
PLEKHB2	8.3	1.0	10.4	1.3	1.49E-03	10.4	1.2	2.95E-02		
SGSM2	6.4	1.0	8.0	1.3	2.17E-03	8.0	1.2	3.44E-02		
POLDIP3	8.6	1.0	10.7	1.3	3.08E-04	11.4	1.3	8.10E-02		
DHX8	3.6	1.0	4.6	1.3	1.77E-02	5.0	1.4	3.40E-01		
BBS10	2.7	1.0	3.4	1.3	4.16E-02	4.1	1.5	8.78E-01		
INO80E	6.7	1.0	8.4	1.3	6.35E-03	8.2	1.2	2.66E-02		
ANAPC4	3.6	1.0	4.5	1.2	3.69E-02	4.2	1.2	4.85E-02		
TFCP2	4.8	1.0	5.9	1.2	4.93E-07	5.7	1.2	2.26E-03		
CEP68	4.7	1.0	5.9	1.2	9.48E-04	5.5	1.2	6.17E-03		
UBTF	7.8	1.0	9.8	1.2	6.16E-03	9.1	1.2	2.33E-02		
NCAPD2	2.5	1.0	3.1	1.2	2.26E-02	3.2	1.3	1.36E-01		
EP400	2.7	1.0	3.4	1.2	1.21E-03	3.8	1.4	2.00E-01		
GPN2	3.9	1.0	4.8	1.2	2.43E-02	5.2	1.4	4.92E-01		
AGPAT1	15.0	1.0	18.8	1.2	1.34E-04	17.4	1.2	5.00E-03		
EED	2.2	1.0	2.8	1.2	6.65E-03	3.3	1.5	3.50E-01		
HUWE1	13.4	1.0	16.8	1.2	7.93E-04	16.3	1.2	2.35E-02		
WDR48	5.7	1.0	7.1	1.2	9.47E-05	7.2	1.3	2.19E-02		
ALG13	3.9	1.0	4.8	1.2	4.62E-03	5.0	1.3	6.74E-02		
INTS1	6.3	1.0	7.9	1.2	4.38E-03	8.9	1.4	1.89E-01		
PARN	5.6	1.0	7.0	1.2	2.39E-04	6.6	1.2	9.30E-03		
RABGGTB	14.1	1.0	17.6	1.2	8.05E-03	18.8	1.3	7.42E-01		
FECH	3.3	1.0	4.2	1.2	2.40E-03	3.7	1.1	4.24E-03		
DARS2	3.7	1.0	4.7	1.2	2.94E-02	3.9	1.0	7.33E-02		
NUDT21	7.3	1.0	9.1	1.2	4.09E-03	9.2	1.3	7.56E-02		
GLB1	4.3	1.0	5.3	1.2	1.45E-02	5.1	1.2	3.38E-02		
ARMCX6	7.9	1.0	9.9	1.2	3.22E-02	7.2	-1.1	2.39E-03	√	√
MAN1B1	6.4	1.0	8.0	1.2	1.10E-03	7.7	1.2	1.31E-02		
CCNL2	19.7	1.0	24.6	1.2	3.34E-02	27.3	1.4	1.51E-01		
SMARCC1	3.9	1.0	4.8	1.2	1.59E-02	5.9	1.5	4.83E-01		
SUPT16H	8.7	1.0	10.8	1.2	1.10E-03	11.3	1.3	7.12E-02		
ZC3H4	2.6	1.0	3.2	1.2	1.68E-03	3.8	1.5	5.94E-01		
ARSA	3.3	1.0	4.1	1.2	2.94E-02	4.1	1.2	7.06E-02		
HDAC2	2.8	1.0	3.4	1.2	9.26E-04	3.5	1.3	1.50E-02		
HSPA4	20.0	1.0	24.9	1.2	2.41E-03	29.8	1.5	3.93E-01		
HSPC159	2.1	1.0	2.6	1.2	4.23E-02	2.1	-1.0	1.12E-02		
FBXO9	5.9	1.0	7.4	1.2	1.10E-02	6.7	1.1	2.36E-02		
ZNF224	3.8	1.0	4.7	1.2	1.61E-02	5.1	1.3	1.50E-01		
SMAD2	2.9	1.0	3.6	1.2	1.31E-03	3.5	1.2	4.07E-02		
PIAS2	3.2	1.0	4.0	1.2	1.78E-02	3.9	1.2	1.08E-01		
SERINC3	25.4	1.0	31.6	1.2	4.05E-03	34.8	1.4	1.10E-01		
NACA	122.3	1.0	152.2	1.2	4.72E-03	157.9	1.3	5.74E-02		
ZNF384	5.3	1.0	6.6	1.2	2.14E-02	7.3	1.4	1.87E-01		
MACF1	12.9	1.0	16.0	1.2	6.90E-05	16.1	1.3	1.67E-01		
USP5	10.6	1.0	13.2	1.2	1.45E-04	12.2	1.2	2.37E-02		
TP53BP2	4.6	1.0	5.7	1.2	4.66E-02	6.4	1.4	4.60E-01		
NUB1	10.1	1.0	12.6	1.2	3.97E-04	12.2	1.2	1.19E-02		
CCPG1	19.6	1.0	24.3	1.2	3.74E-04	21.7	1.1	6.94E-03		
SLC35A1	4.0	1.0	4.9	1.2	3.16E-02	4.8	1.2	2.80E-02		
C16orf48	2.9	1.0	3.6	1.2	3.71E-02	3.7	1.3	7.79E-02		
PSMG2	10.4	1.0	12.9	1.2	6.70E-03	12.4	1.2	2.80E-02		
HMGCR	1.8	1.0	2.2	1.2	3.62E-02	2.8	1.6	7.44E-01		
STX6	1.9	1.0	2.3	1.2	3.58E-02	2.8	1.5	4.22E-01		
USP12	4.4	1.0	5.5	1.2	1.20E-02	6.7	1.5	5.19E-01		
RABGAP1	9.9	1.0	12.3	1.2	1.11E-04	13.3	1.3	1.49E-01		
PLEKHA3	6.0	1.0	7.5	1.2	1.21E-03	7.8	1.3	1.58E-01		
HDAC7	9.3	1.0	11.5	1.2	4.18E-02	14.0	1.5	4.73E-01		
HSPD1	42.6	1.0	52.9	1.2	4.72E-04	54.5	1.3	3.37E-02		
PITPNB	9.2	1.0	11.5	1.2	6.66E-03	16.5	1.8	7.79E-01		
TERF2	3.3	1.0	4.1	1.2	7.94E-03	4.4	1.3	1.21E-01		
KIAA1468	2.6	1.0	3.3	1.2	3.03E-03	3.4	1.3	1.27E-01		

MLXIP	6.2	1.0	7.8	1.2	1.27E-02	9.0	1.4	5.16E-01		
OMA1	6.9	1.0	8.6	1.2	2.65E-02	7.3	1.1	1.14E-02		
NPRL3	4.5	1.0	5.6	1.2	1.99E-04	5.6	1.2	3.52E-02		
PRKCSH	18.8	1.0	23.4	1.2	3.38E-03	22.3	1.2	2.41E-02		
SPAG16	4.6	1.0	5.8	1.2	3.23E-02	5.2	1.1	4.64E-02		
TMEM181	2.5	1.0	3.1	1.2	2.18E-02	3.9	1.5	4.85E-01		
CSNK1E	16.2	1.0	20.1	1.2	1.03E-03	21.8	1.3	5.21E-02		
ZNF496	3.0	1.0	3.7	1.2	2.59E-02	4.1	1.4	1.59E-01		
STAT5B	7.6	1.0	9.5	1.2	1.19E-02	10.6	1.4	1.66E-01		
DUSP26	24.9	1.0	30.9	1.2	2.19E-02	24.4	-1.0	2.76E-02		
TRAF2	1.7	1.0	2.1	1.2	3.00E-02	2.1	1.2	7.78E-02		
C14orf43	2.9	1.0	3.6	1.2	4.07E-02	4.6	1.6	6.35E-01		
CDH2	69.9	1.0	86.7	1.2	8.19E-03	83.9	1.2	7.22E-01		
UBFD1	6.9	1.0	8.5	1.2	2.63E-03	8.8	1.3	7.35E-01		
PAK4	2.8	1.0	3.4	1.2	8.89E-04	3.4	1.2	1.37E-01		
HPS4	2.3	1.0	2.8	1.2	3.32E-02	2.7	1.2	7.77E-02		
PAPD4	5.1	1.0	6.3	1.2	3.81E-02	6.7	1.3	1.41E-01		
BLOC1S2	4.0	1.0	4.9	1.2	3.55E-02	5.6	1.4	3.26E-01		
C17orf103	3.6	1.0	4.5	1.2	7.14E-03	4.2	1.2	1.16E-01		
FZR1	4.1	1.0	5.1	1.2	5.30E-03	5.5	1.3	1.31E-01		
RASAL2	4.5	1.0	5.5	1.2	3.68E-02	8.4	1.9	2.57E-01		
EXOC1	6.2	1.0	7.7	1.2	1.49E-03	7.6	1.2	1.13E-02		
DVL2	3.1	1.0	3.9	1.2	6.50E-03	3.9	1.2	1.74E-02		
TRAPPC4	8.6	1.0	10.6	1.2	4.44E-03	9.6	1.1	1.91E-03		
SCO1	10.9	1.0	13.5	1.2	2.70E-03	11.2	1.0	1.71E-02		
SUDS3	4.7	1.0	5.8	1.2	7.87E-04	6.1	1.3	1.68E-02		
MAP3K7	7.3	1.0	9.0	1.2	1.22E-03	9.6	1.3	4.11E-01		
UBE2Z	10.0	1.0	12.3	1.2	9.20E-04	13.9	1.4	1.79E-01		
USP19	8.1	1.0	10.1	1.2	2.27E-04	9.7	1.2	1.32E-02		
NPTXR	3.0	1.0	3.7	1.2	3.07E-02	2.8	-1.1	3.45E-03	V	V
C10orf76	10.1	1.0	12.5	1.2	1.11E-02	12.9	1.3	3.04E-01		
EPC2	5.3	1.0	6.6	1.2	3.98E-03	7.9	1.5	6.10E-01		
CBX1	9.0	1.0	11.2	1.2	7.87E-04	11.7	1.3	2.12E-01		
MNAT1	4.8	1.0	5.9	1.2	9.00E-03	5.9	1.2	7.48E-02		
HBP1	16.5	1.0	20.4	1.2	3.37E-02	24.8	1.5	3.97E-01		
UTP3	4.6	1.0	5.7	1.2	5.46E-03	6.3	1.4	4.73E-01		
PIGQ	3.7	1.0	4.6	1.2	1.59E-02	4.6	1.2	1.16E-01		
OS9	29.0	1.0	35.9	1.2	3.49E-03	34.2	1.2	1.71E-02		
KIAA0355	4.2	1.0	5.2	1.2	2.74E-02	6.1	1.5	2.16E-01		
CCDC90B	6.5	1.0	8.0	1.2	2.39E-03	7.6	1.2	6.35E-02		
GALNT11	7.8	1.0	9.7	1.2	4.93E-03	9.3	1.2	2.57E-02		
PSIP1	10.3	1.0	12.7	1.2	2.60E-02	11.6	1.1	3.05E-02		
SBDS	77.1	1.0	95.3	1.2	6.48E-03	101.7	1.3	3.61E-01		
TBL1XR1	7.3	1.0	9.1	1.2	1.96E-02	8.6	1.2	9.10E-02		
MLL2	4.5	1.0	5.5	1.2	6.15E-03	6.4	1.4	3.99E-01		
CTSD	170.1	1.0	210.2	1.2	3.29E-02	167.6	-1.0	3.99E-03		
RNF219	2.6	1.0	3.2	1.2	9.63E-03	2.8	1.1	3.34E-02		
UBR4	8.3	1.0	10.2	1.2	3.53E-03	10.6	1.3	3.54E-01		
ARHGEF3	3.8	1.0	4.7	1.2	4.75E-03	4.2	1.1	2.80E-02		
TAPBP	8.9	1.0	11.0	1.2	7.70E-03	9.7	1.1	6.93E-03		
YLPM1	4.7	1.0	5.8	1.2	1.69E-03	6.2	1.3	8.56E-02		
HINFP	2.2	1.0	2.7	1.2	2.30E-02	3.0	1.4	2.16E-01		
BTBD10	4.8	1.0	6.0	1.2	5.89E-04	6.9	1.4	5.73E-01		
APTX	3.6	1.0	4.4	1.2	1.79E-03	4.5	1.3	8.01E-02		
FAM122B	4.2	1.0	5.2	1.2	1.06E-03	5.7	1.4	1.73E-01		
SSR4	32.0	1.0	39.6	1.2	3.25E-02	34.4	1.1	1.17E-02		
MEX3C	3.1	1.0	3.8	1.2	3.76E-02	5.2	1.7	6.08E-01		
PLAGL2	2.4	1.0	3.0	1.2	2.48E-02	4.2	1.7	3.36E-01		
UNC50	7.8	1.0	9.6	1.2	7.51E-04	9.6	1.2	1.58E-02		
HIRA	4.2	1.0	5.1	1.2	3.05E-03	6.3	1.5	8.34E-01		
PLXNB2	9.0	1.0	11.1	1.2	3.78E-02	11.5	1.3	1.96E-01		
SYF2	12.7	1.0	15.6	1.2	1.66E-02	15.5	1.2	3.74E-02		
RXRB	7.4	1.0	9.1	1.2	4.86E-03	9.3	1.3	7.98E-02		
GLT8D1	7.8	1.0	9.7	1.2	1.21E-02	8.5	1.1	2.44E-02		
PEAK1	7.1	1.0	8.7	1.2	4.50E-02	8.8	1.2	3.46E-01		
SPTAN1	31.4	1.0	38.6	1.2	7.95E-03	29.7	-1.1	2.45E-03		
NBPF11	2.0	1.0	2.5	1.2	3.31E-02	2.7	1.3	1.55E-01		
XAB2	6.1	1.0	7.6	1.2	8.97E-04	7.8	1.3	4.77E-02		
TDRD7	2.2	1.0	2.8	1.2	1.32E-03	2.6	1.1	2.74E-03		
GRINA	21.8	1.0	26.8	1.2	1.15E-02	27.3	1.3	6.49E-02		
SMARCA2	11.4	1.0	14.1	1.2	3.40E-03	14.8	1.3	7.11E-02		
IKBKAP	6.3	1.0	7.8	1.2	1.05E-02	7.1	1.1	2.42E-02		
FBXO30	4.4	1.0	5.4	1.2	2.92E-02	6.1	1.4	8.69E-01		
NAA35	3.9	1.0	4.8	1.2	7.17E-04	4.6	1.2	7.96E-02		
CAPRIN1	19.5	1.0	24.0	1.2	6.00E-03	22.1	1.1	2.25E-02		
ANP32E	6.8	1.0	8.3	1.2	3.50E-02	7.2	1.1	6.07E-03		
MSL2	2.8	1.0	3.4	1.2	1.01E-02	4.1	1.5	5.40E-01		
MAPRE1	15.4	1.0	18.9	1.2	1.03E-04	23.6	1.5	8.86E-01		
TP53	1.7	1.0	2.1	1.2	2.55E-02	2.4	1.4	2.44E-01		
PLDN	3.1	1.0	3.8	1.2	4.72E-02	4.0	1.3	1.26E-01		
RBMS2	3.7	1.0	4.6	1.2	2.48E-03	5.1	1.4	1.37E-01		
PAM	126.8	1.0	156.0	1.2	7.36E-03	134.2	1.1	8.04E-02		
SMG5	19.2	1.0	23.7	1.2	1.72E-02	25.2	1.3	6.24E-01		
SLC30A5	5.2	1.0	6.4	1.2	2.64E-02	6.4	1.2	2.30E-01		
ELMOD2	2.5	1.0	3.0	1.2	4.26E-02	2.7	1.1	5.27E-02		
LAMP1	28.5	1.0	35.0	1.2	2.08E-03	34.6	1.2	4.02E-02		
NRBP2	4.8	1.0	5.8	1.2	1.27E-02	5.8	1.2	3.21E-02		
ARGLU1	17.8	1.0	21.9	1.2	4.46E-02	26.3	1.5	3.15E-01		

TBCEL	2.7	1.0	3.3	1.2	6.96E-03	3.7	1.4	8.45E-01		
KHDRBS1	17.2	1.0	21.1	1.2	3.85E-04	20.7	1.2	1.36E-02		
HGS	10.1	1.0	12.4	1.2	6.05E-03	13.6	1.3	7.89E-02		
TSPYL4	8.2	1.0	10.1	1.2	6.84E-03	10.3	1.3	5.09E-01		
HPRT1	6.6	1.0	8.1	1.2	9.68E-04	7.3	1.1	2.88E-03		
COMMD8	4.4	1.0	5.4	1.2	2.86E-02	4.4	1.0	8.74E-02		
USP9X	6.7	1.0	8.3	1.2	6.16E-03	7.5	1.1	1.24E-02		
TSPAN3	14.8	1.0	18.2	1.2	2.55E-02	19.7	1.3	5.30E-01		
RAB8A	4.2	1.0	5.2	1.2	4.85E-02	6.4	1.5	2.59E-01		
CLTCL1	1.7	1.0	2.1	1.2	2.96E-02	2.7	1.5	6.18E-01		
SPTLC1	6.6	1.0	8.0	1.2	1.40E-02	9.2	1.4	3.09E-01		
KRI1	3.2	1.0	3.9	1.2	4.92E-03	4.1	1.3	1.01E-01		
MED28	4.7	1.0	5.8	1.2	2.10E-02	7.2	1.5	3.25E-01		
FOXJ3	6.8	1.0	8.3	1.2	2.25E-03	7.9	1.2	7.92E-03		
TMEM185B	4.8	1.0	5.9	1.2	1.23E-02	6.6	1.4	5.23E-01		
MED12	3.5	1.0	4.2	1.2	8.33E-03	4.6	1.3	1.36E-01		
SYNPO	122.6	1.0	150.3	1.2	1.49E-02	120.4	-1.0	1.52E-01		
RBM24	44.3	1.0	54.3	1.2	4.12E-02	44.2	-1.0	6.16E-02		
PLD3	28.9	1.0	35.5	1.2	4.43E-02	33.9	1.2	1.77E-02		
RAB11FIP5	4.3	1.0	5.3	1.2	6.31E-03	6.6	1.5	9.25E-01		
UBE2E2	6.5	1.0	8.0	1.2	6.91E-03	7.3	1.1	7.66E-03		
JOSD1	5.8	1.0	7.2	1.2	4.52E-02	11.1	1.9	5.37E-01		
TAX1BP3	36.9	1.0	45.3	1.2	2.55E-02	46.6	1.3	6.59E-01		
ARMCX1	8.5	1.0	10.5	1.2	2.47E-03	10.3	1.2	7.71E-03		
C15orf44	4.0	1.0	4.9	1.2	1.76E-03	4.8	1.2	1.11E-02		
ZFP106	69.0	1.0	84.5	1.2	3.25E-02	74.5	1.1	2.64E-01		
POLR2G	11.7	1.0	14.3	1.2	1.55E-02	12.8	1.1	1.06E-02		
HERC1	6.1	1.0	7.5	1.2	1.66E-02	6.1	-1.0	7.33E-03		
THUMPD1	2.1	1.0	2.5	1.2	2.55E-02	2.9	1.4	6.22E-01		
KDM3B	7.6	1.0	9.3	1.2	4.63E-04	9.5	1.2	2.95E-02		
TCF3	2.5	1.0	3.1	1.2	3.87E-02	3.5	1.4	2.04E-01		
NCAPH2	5.4	1.0	6.6	1.2	3.88E-02	7.4	1.4	3.08E-01		
C1orf50	3.7	1.0	4.6	1.2	9.00E-03	4.5	1.2	5.99E-02		
SUGT1	7.0	1.0	8.5	1.2	5.52E-03	9.2	1.3	1.21E-01		
UNG	6.6	1.0	8.1	1.2	1.63E-02	7.9	1.2	3.41E-02		
ABI2	7.4	1.0	9.0	1.2	7.64E-03	8.7	1.2	1.35E-01		
SF3A3	7.6	1.0	9.3	1.2	5.09E-03	9.8	1.3	1.28E-01		
DCTN6	20.4	1.0	24.9	1.2	4.99E-05	23.2	1.1	9.09E-04		
PNPO	2.8	1.0	3.4	1.2	6.95E-03	3.0	1.1	1.07E-02		
GPR107	6.3	1.0	7.7	1.2	1.05E-02	7.6	1.2	6.55E-02		
TMED9	21.2	1.0	25.9	1.2	3.85E-04	24.4	1.2	1.10E-02		
DCAF7	6.6	1.0	8.1	1.2	1.15E-03	8.4	1.3	6.91E-02		
FAM18B1	5.8	1.0	7.1	1.2	2.03E-02	7.5	1.3	2.64E-01		
PPT1	9.1	1.0	11.1	1.2	8.08E-03	11.2	1.2	6.28E-02		
ANAPC10	3.2	1.0	3.9	1.2	3.89E-02	4.1	1.3	2.00E-01		
PRKAB1	3.2	1.0	3.9	1.2	2.75E-02	4.9	1.5	5.27E-01		
TRIM27	5.0	1.0	6.1	1.2	3.67E-02	6.4	1.3	1.25E-01		
HERPUD2	3.5	1.0	4.2	1.2	4.57E-02	5.1	1.5	3.44E-01		
MKRN2	9.9	1.0	12.1	1.2	2.35E-02	12.0	1.2	1.50E-01		
SMARCA5	7.2	1.0	8.8	1.2	2.75E-03	9.5	1.3	2.24E-01		
POLR2C	14.7	1.0	17.9	1.2	3.51E-04	17.9	1.2	5.88E-03		
ACOT9	18.4	1.0	22.4	1.2	2.46E-02	23.4	1.3	7.29E-01		
SLC46A3	3.5	1.0	4.3	1.2	4.95E-02	4.0	1.1	1.55E-01		
TMEM208	3.4	1.0	4.2	1.2	3.49E-02	4.5	1.3	1.16E-01		
C12orf51	3.0	1.0	3.6	1.2	4.00E-03	4.0	1.3	1.39E-01		
STAM	5.3	1.0	6.5	1.2	4.10E-02	6.6	1.2	3.06E-01		
SMC6	3.1	1.0	3.7	1.2	4.37E-02	4.1	1.3	2.21E-01		
ZFYVE26	2.3	1.0	2.9	1.2	1.97E-03	3.1	1.3	1.22E-01		
KLHL18	2.3	1.0	2.8	1.2	3.29E-03	3.0	1.3	6.66E-01		
FAM160A2	3.7	1.0	4.5	1.2	7.57E-03	5.0	1.4	1.53E-01		
NFYC	14.9	1.0	18.2	1.2	1.14E-03	16.8	1.1	1.90E-03		
KDM4A	3.5	1.0	4.3	1.2	1.46E-02	4.5	1.3	1.17E-01		
TTC28	2.1	1.0	2.6	1.2	5.54E-03	2.9	1.3	3.70E-01		
PPT2	5.7	1.0	7.0	1.2	1.28E-02	6.2	1.1	6.25E-03		
SERTAD2	3.2	1.0	3.9	1.2	1.30E-02	4.3	1.4	1.88E-01		
TARS	13.5	1.0	16.4	1.2	3.30E-02	14.1	1.1	2.72E-02		
EIF4G2	120.6	1.0	147.0	1.2	5.00E-04	157.8	1.3	1.91E-01		
NFKB1	4.2	1.0	5.1	1.2	2.54E-02	5.7	1.4	1.93E-01		
MEF2D	12.0	1.0	14.6	1.2	3.38E-03	16.3	1.4	3.70E-01		
DDX50	5.6	1.0	6.8	1.2	1.27E-02	7.5	1.4	2.48E-01		
IVD	10.5	1.0	12.8	1.2	1.98E-03	10.6	1.0	4.32E-03		
OAZ2	22.3	1.0	27.2	1.2	6.98E-04	26.8	1.2	4.91E-02		
NAPG	5.8	1.0	7.0	1.2	7.78E-03	8.0	1.4	7.43E-01		
AAAS	9.5	1.0	11.6	1.2	3.02E-02	9.9	1.0	6.16E-03		
C8orf33	4.0	1.0	4.8	1.2	7.31E-03	4.5	1.1	8.50E-03		
SCAF4	3.7	1.0	4.5	1.2	3.95E-03	5.5	1.5	4.91E-01		
TNPO3	5.6	1.0	6.8	1.2	1.04E-02	6.6	1.2	1.94E-02		
BPNT1	2.7	1.0	3.3	1.2	7.95E-03	3.1	1.2	1.01E-01		
PGAP3	3.4	1.0	4.1	1.2	4.76E-02	3.7	1.1	2.00E-02		
CRNKL1	2.8	1.0	3.4	1.2	3.06E-03	3.8	1.4	4.89E-01		
TOMM34	4.3	1.0	5.3	1.2	2.42E-03	5.9	1.4	6.45E-01		
DPYSL2	16.7	1.0	20.3	1.2	1.81E-02	22.9	1.4	3.14E-01		
TAF15	21.2	1.0	25.8	1.2	1.17E-02	26.9	1.3	6.47E-02		
PPP1R7	20.5	1.0	24.9	1.2	1.16E-03	24.4	1.2	4.70E-02		
UBQLN1	20.3	1.0	24.7	1.2	1.35E-03	23.8	1.2	6.44E-03		
KIAA0247	4.6	1.0	5.6	1.2	1.74E-03	7.9	1.7	6.34E-01		
MLL3	3.3	1.0	4.0	1.2	2.56E-03	4.0	1.2	5.70E-02		
ZNF574	2.1	1.0	2.5	1.2	4.86E-02	2.5	1.2	1.63E-01		

CASQ2	273.2	1.0	332.3	1.2	1.45E-02	286.9	1.1	1.85E-01		
C2orf29	9.0	1.0	10.9	1.2	3.18E-02	11.4	1.3	9.78E-01		
HSPB8	90.4	1.0	109.9	1.2	1.94E-02	147.3	1.6	7.42E-02		
SLC39A6	2.9	1.0	3.5	1.2	6.60E-03	3.7	1.3	1.28E-01		
CHMP1B	9.7	1.0	11.8	1.2	2.22E-03	14.8	1.5	3.06E-01		
C4orf32	5.9	1.0	7.2	1.2	3.05E-02	9.0	1.5	8.33E-01		
GPR137	4.0	1.0	4.9	1.2	2.94E-02	4.7	1.2	1.22E-01		
ATF6B	10.1	1.0	12.3	1.2	2.77E-02	12.1	1.2	1.98E-02		
ATP6V1B2	11.4	1.0	13.8	1.2	1.90E-03	16.8	1.5	4.53E-01		
PUM1	10.0	1.0	12.1	1.2	6.47E-03	12.8	1.3	8.18E-02		
TRIM23	2.9	1.0	3.6	1.2	9.23E-03	4.0	1.4	5.44E-01		
TTLL5	2.3	1.0	2.8	1.2	1.06E-02	2.6	1.1	9.70E-03		
ARHGAP17	8.9	1.0	10.8	1.2	3.91E-04	14.7	1.7	8.24E-01		
PAIP2	47.1	1.0	57.2	1.2	4.47E-04	55.8	1.2	8.12E-02		
PGAM1	72.4	1.0	87.9	1.2	1.43E-02	73.5	1.0	4.63E-03		
LOC151162	12.1	1.0	14.7	1.2	9.81E-03	12.8	1.1	7.51E-02		
KIAA1191	18.4	1.0	22.3	1.2	1.00E-03	25.7	1.4	3.71E-01		
TNPO1	5.3	1.0	6.4	1.2	2.90E-02	6.4	1.2	2.38E-01		
NSF	3.7	1.0	4.5	1.2	1.08E-02	4.5	1.2	1.53E-01		
TMEM80	3.1	1.0	3.8	1.2	8.24E-03	3.4	1.1	8.35E-03		
GATAD1	2.4	1.0	2.9	1.2	4.39E-02	3.2	1.3	1.28E-01		
CIRBP	41.8	1.0	50.7	1.2	1.02E-02	48.8	1.2	1.87E-02		
PNRC2	22.0	1.0	26.7	1.2	1.78E-04	29.7	1.3	1.56E-01		
TBP	2.3	1.0	2.8	1.2	3.79E-02	3.2	1.4	2.97E-01		
ERLEC1	10.7	1.0	13.0	1.2	4.84E-05	12.5	1.2	1.26E-03		
SMARCE1	20.1	1.0	24.3	1.2	5.86E-03	25.8	1.3	3.60E-02		
TOMM22	13.4	1.0	16.3	1.2	4.30E-03	15.6	1.2	1.90E-04		
CCDC104	9.9	1.0	12.0	1.2	8.41E-03	12.5	1.3	5.15E-02		
NFRKB	2.4	1.0	2.9	1.2	2.70E-02	2.9	1.2	1.28E-01		
COPG	18.1	1.0	21.9	1.2	1.20E-02	21.2	1.2	5.94E-02		
LYPLAL1	7.7	1.0	9.3	1.2	1.09E-02	9.1	1.2	3.59E-01		
DYNC1H1	25.1	1.0	30.4	1.2	1.17E-04	26.9	1.1	3.11E-03		
SGTA	20.4	1.0	24.8	1.2	7.11E-03	24.5	1.2	5.66E-02		
C7orf42	8.1	1.0	9.8	1.2	1.79E-02	10.1	1.2	8.06E-02		
SEPT7	41.3	1.0	50.0	1.2	2.21E-02	47.8	1.2	9.09E-02		
SPTLC2	1.9	1.0	2.4	1.2	4.83E-02	2.8	1.4	2.39E-01		
BAZ2A	6.2	1.0	7.6	1.2	1.80E-02	9.3	1.5	5.83E-01		
SNX5	13.5	1.0	16.3	1.2	4.49E-03	15.7	1.2	2.10E-02		
IFT57	3.9	1.0	4.7	1.2	1.67E-02	4.9	1.3	1.29E-01		
CYTH2	3.6	1.0	4.3	1.2	4.19E-02	5.4	1.5	4.39E-01		
CNOT3	4.6	1.0	5.6	1.2	9.55E-03	6.3	1.4	1.88E-01		
SFPQ	13.9	1.0	16.8	1.2	2.85E-02	21.1	1.5	8.19E-01		
KIAA1429	3.3	1.0	4.0	1.2	5.50E-03	4.1	1.3	1.09E-01		
PIGK	4.1	1.0	5.0	1.2	3.50E-03	4.1	1.0	9.34E-03		
VEZT	7.9	1.0	9.5	1.2	6.31E-03	9.6	1.2	2.62E-02		
FNDC3B	7.1	1.0	8.6	1.2	3.79E-02	13.8	1.9	1.42E-01		
IFT74	3.6	1.0	4.4	1.2	1.90E-02	3.9	1.1	1.03E-02		
ZFYVE20	2.9	1.0	3.6	1.2	3.56E-02	3.6	1.2	1.40E-01		
LAPTM4B	74.4	1.0	90.0	1.2	1.46E-02	75.7	1.0	1.50E-01		
RABL3	2.4	1.0	3.0	1.2	1.96E-02	3.0	1.2	1.00E-01		
PIBF1	2.8	1.0	3.3	1.2	5.34E-03	3.5	1.3	1.17E-01		
ARF1	94.6	1.0	114.3	1.2	1.47E-05	115.0	1.2	3.09E-02		
C1orf35	2.0	1.0	2.4	1.2	2.63E-02	2.4	1.2	1.03E-01		
RDBP	8.7	1.0	10.5	1.2	3.88E-03	11.1	1.3	1.19E-02		
DHX40	4.9	1.0	5.9	1.2	3.69E-03	6.3	1.3	1.35E-01		
SETD7	11.5	1.0	13.9	1.2	2.00E-02	15.3	1.3	6.53E-01		
SLAIN2	9.4	1.0	11.3	1.2	1.12E-02	12.6	1.3	9.21E-01		
NOLC1	7.2	1.0	8.7	1.2	3.02E-03	10.0	1.4	2.32E-01		
SCCPDH	9.4	1.0	11.3	1.2	2.97E-02	10.0	1.1	1.76E-02		
C17orf75	4.3	1.0	5.2	1.2	3.09E-02	4.0	-1.1	2.16E-02		
CYB5B	5.5	1.0	6.6	1.2	6.77E-03	6.0	1.1	1.08E-02		
ARIH2	27.0	1.0	32.6	1.2	3.23E-02	34.0	1.3	6.54E-01		
AFTPH	2.5	1.0	3.0	1.2	3.61E-02	3.7	1.5	3.30E-01		
RABGEF1	3.8	1.0	4.6	1.2	3.96E-03	4.2	1.1	1.10E-02		
DET1	2.4	1.0	2.9	1.2	3.76E-02	2.7	1.1	1.89E-02		
ACD	2.1	1.0	2.5	1.2	4.12E-02	3.1	1.5	5.72E-01		
PHF12	4.2	1.0	5.1	1.2	1.01E-02	6.0	1.4	3.94E-01		
HSPA13	3.3	1.0	4.0	1.2	3.43E-02	4.2	1.3	4.16E-01		
PHF21A	3.6	1.0	4.4	1.2	9.99E-03	4.2	1.1	4.19E-02		
CHD6	3.7	1.0	4.4	1.2	2.18E-02	4.5	1.2	1.23E-01		
CHD2	6.3	1.0	7.6	1.2	3.02E-02	8.7	1.4	1.77E-01		
NPM1	76.4	1.0	92.1	1.2	8.51E-03	103.0	1.3	1.01E-01		
SCAF1	4.3	1.0	5.2	1.2	4.52E-04	5.6	1.3	1.01E-01		
ZNFX1	5.6	1.0	6.7	1.2	3.82E-02	7.1	1.3	1.63E-01		
PPIL4	4.9	1.0	5.8	1.2	4.93E-03	6.6	1.4	1.28E-01		
C19orf25	2.4	1.0	2.9	1.2	8.07E-03	3.3	1.4	1.21E-01		
CRAMP1L	2.8	1.0	3.4	1.2	8.74E-03	4.5	1.6	5.90E-01		
TMEM9	6.4	1.0	7.7	1.2	2.06E-02	6.5	1.0	1.76E-02		
DNAJC13	5.0	1.0	6.0	1.2	4.93E-02	5.7	1.2	1.30E-01		
TMEM167B	9.3	1.0	11.2	1.2	1.95E-02	11.2	1.2	5.96E-02		
RNF214	4.1	1.0	4.9	1.2	4.12E-02	4.6	1.1	7.94E-02		
TMEM127	17.4	1.0	21.0	1.2	5.61E-04	17.3	-1.0	1.03E-03		
UBL3	6.2	1.0	7.4	1.2	1.54E-02	8.1	1.3	2.16E-01		
COPB2	17.1	1.0	20.6	1.2	1.03E-02	20.6	1.2	1.19E-01		
SRPK2	4.6	1.0	5.6	1.2	4.39E-02	6.1	1.3	3.40E-01		
FUS	9.5	1.0	11.5	1.2	3.96E-02	12.4	1.3	1.35E-01		
WDR75	5.1	1.0	6.2	1.2	1.08E-02	6.6	1.3	1.13E-01		
CHERP	4.6	1.0	5.5	1.2	2.55E-02	5.9	1.3	6.20E-02		

ZFYVE16	4.3	1.0	5.1	1.2	4.35E-02	5.6	1.3	8.41E-01		
RBM14	3.1	1.0	3.7	1.2	4.33E-02	4.6	1.5	4.64E-01		
FAF2	3.8	1.0	4.6	1.2	3.23E-02	5.2	1.4	2.72E-01		
RNF20	10.0	1.0	12.0	1.2	1.77E-03	11.2	1.1	1.47E-02		
VPS33A	2.4	1.0	2.9	1.2	3.74E-02	2.6	1.1	4.54E-02		
AZI2	5.3	1.0	6.4	1.2	7.98E-04	7.2	1.4	1.15E-01		
PPP2CA	32.8	1.0	39.4	1.2	2.38E-03	41.0	1.3	1.73E-01		
TAF9B	5.2	1.0	6.2	1.2	3.12E-02	6.1	1.2	2.03E-01		
DDX6	13.4	1.0	16.1	1.2	4.18E-02	15.4	1.2	5.32E-02		
MBD1	7.5	1.0	9.0	1.2	5.26E-03	9.3	1.2	8.21E-02		
DNAJB2	19.6	1.0	23.6	1.2	1.63E-02	25.9	1.3	1.16E-01		
SAFB	14.8	1.0	17.7	1.2	6.29E-03	20.6	1.4	2.48E-01		
C18orf32	12.7	1.0	15.2	1.2	1.29E-03	14.1	1.1	5.24E-03		
SRSF6	14.6	1.0	17.6	1.2	3.20E-02	25.3	1.7	9.65E-01		
FAM98B	6.5	1.0	7.8	1.2	4.53E-02	7.8	1.2	3.61E-01		
ERCC3	7.3	1.0	8.7	1.2	1.81E-04	9.2	1.3	6.65E-02		
BZW2	99.7	1.0	79.7	-1.3	1.69E-02	90.8	-1.1	3.01E-01		
SLC29A1	42.0	1.0	33.6	-1.3	5.24E-03	26.9	-1.6	1.36E-02		
HINT1	63.7	1.0	50.8	-1.3	1.47E-03	55.8	-1.1	3.34E-01		
COPS5	38.0	1.0	30.3	-1.3	1.95E-04	32.6	-1.2	5.59E-01		
METAP1	17.4	1.0	13.8	-1.3	7.75E-03	14.3	-1.2	3.60E-01		
NDUFB6	40.6	1.0	32.3	-1.3	9.74E-03	35.1	-1.2	8.87E-01		
UQCRC1	254.8	1.0	202.7	-1.3	6.85E-06	212.4	-1.2	7.47E-01		
PMF1	20.6	1.0	16.4	-1.3	2.31E-03	17.7	-1.2	8.96E-01		
SLC25A12	31.5	1.0	25.0	-1.3	3.53E-04	21.4	-1.5	2.85E-02		
SEPW1	262.2	1.0	208.4	-1.3	1.02E-04	233.1	-1.1	5.29E-01		
SMTN	24.0	1.0	19.0	-1.3	2.85E-02	25.6	1.1	3.49E-01		
RBPMS2	67.4	1.0	53.5	-1.3	2.51E-02	57.5	-1.2	5.59E-01		
NDUFB10	213.4	1.0	169.3	-1.3	2.71E-04	168.3	-1.3	4.54E-01		
PPP1R16A	12.3	1.0	9.8	-1.3	4.31E-03	8.0	-1.6	1.66E-03		
ZBTB43	5.2	1.0	4.1	-1.3	9.55E-04	4.9	-1.1	7.37E-01		
PLN	792.3	1.0	627.8	-1.3	4.41E-03	622.8	-1.3	8.52E-01		
ICAM2	19.4	1.0	15.4	-1.3	3.57E-02	22.4	1.2	8.48E-01		
NACC1	5.1	1.0	4.1	-1.3	4.13E-02	4.9	-1.0	3.81E-01		
MRPL33	136.4	1.0	107.9	-1.3	1.44E-02	115.2	-1.2	9.30E-01		
MTIF3	53.2	1.0	42.1	-1.3	1.04E-02	44.0	-1.2	7.61E-01		
DES	4724.2	1.0	3735.1	-1.3	1.27E-02	4192.5	-1.1	4.67E-01		
RCSD1	13.4	1.0	10.6	-1.3	2.04E-02	13.2	-1.0	4.49E-01		
TENC1	37.9	1.0	29.9	-1.3	2.62E-02	52.0	1.4	7.06E-01		
GLRX2	7.0	1.0	5.5	-1.3	1.46E-02	7.7	1.1	4.97E-02	V	V
COX5A	376.3	1.0	296.9	-1.3	4.00E-04	293.1	-1.3	7.35E-01		
TNNT2	4850.3	1.0	3826.7	-1.3	2.03E-05	3948.7	-1.2	8.48E-01		
C6orf136	13.1	1.0	10.3	-1.3	5.26E-03	9.2	-1.4	8.30E-02		
TACC1	14.8	1.0	11.7	-1.3	5.48E-03	22.1	1.5	5.53E-01		
ATAD3A	5.2	1.0	4.1	-1.3	6.60E-03	4.6	-1.1	5.77E-01		
MCRS1	27.5	1.0	21.7	-1.3	3.63E-04	23.0	-1.2	9.47E-01		
NDUFS6	121.7	1.0	96.0	-1.3	4.35E-03	98.1	-1.2	6.09E-01		
CCDC85C	4.1	1.0	3.2	-1.3	3.31E-03	2.9	-1.4	6.68E-02		
ITGB1BP2	29.5	1.0	23.3	-1.3	2.38E-02	19.2	-1.5	5.40E-02		
C10orf58	25.9	1.0	20.4	-1.3	2.67E-02	20.1	-1.3	1.67E-01		
FBRSL1	5.5	1.0	4.3	-1.3	1.77E-03	5.7	1.0	4.04E-01		
NHLRC2	4.3	1.0	3.4	-1.3	1.08E-02	4.2	-1.0	4.12E-01		
ATP1B1	84.9	1.0	66.8	-1.3	8.17E-03	69.6	-1.2	7.82E-01		
RHOT1	11.4	1.0	9.0	-1.3	4.30E-03	8.4	-1.4	6.24E-03		
ESRRA	34.9	1.0	27.5	-1.3	5.57E-04	28.1	-1.2	7.95E-01		
ATF4	82.5	1.0	64.9	-1.3	4.07E-02	93.9	1.1	7.83E-01		
PLCL1	16.0	1.0	12.5	-1.3	9.13E-03	15.2	-1.0	2.71E-01		
FAM195A	18.9	1.0	14.9	-1.3	2.39E-02	14.2	-1.3	3.03E-01		
NDUFB2	154.5	1.0	121.4	-1.3	1.42E-05	133.0	-1.2	5.66E-01		
TEAD1	10.5	1.0	8.3	-1.3	9.69E-04	8.6	-1.2	2.71E-01		
PTPLA	28.8	1.0	22.6	-1.3	4.34E-02	25.9	-1.1	3.68E-01		
WDR34	8.9	1.0	7.0	-1.3	1.98E-03	7.3	-1.2	6.41E-01		
NGLY1	7.1	1.0	5.6	-1.3	2.58E-02	6.5	-1.1	5.15E-01		
GALNTL1	18.3	1.0	14.4	-1.3	1.14E-02	15.8	-1.2	7.33E-01		
USP2	15.2	1.0	12.0	-1.3	2.56E-02	14.2	-1.1	5.04E-01		
RBFOX1	11.6	1.0	9.1	-1.3	1.25E-02	8.7	-1.3	6.89E-01		
C17orf37	18.9	1.0	14.8	-1.3	1.32E-02	15.9	-1.2	4.96E-01		
GTPBP6	16.0	1.0	12.5	-1.3	3.29E-03	14.5	-1.1	7.61E-01		
C22orf13	22.7	1.0	17.8	-1.3	1.12E-03	16.6	-1.4	1.40E-02		
ECSIT	37.6	1.0	29.4	-1.3	5.65E-04	31.0	-1.2	9.18E-01		
ZDHHC12	2.5	1.0	2.0	-1.3	7.77E-04	2.1	-1.2	8.88E-02		
TMEM93	19.6	1.0	15.3	-1.3	8.51E-03	17.2	-1.1	7.01E-01		
TIMM44	17.0	1.0	13.3	-1.3	1.25E-03	13.5	-1.3	2.49E-01		
MTUS1	39.1	1.0	30.5	-1.3	6.85E-03	43.7	1.1	8.18E-02		
XK	2.0	1.0	1.6	-1.3	2.65E-03	3.7	1.8	2.45E-03		
LIMS2	44.3	1.0	34.5	-1.3	3.83E-03	34.0	-1.3	6.01E-02		
SSR3	20.8	1.0	16.2	-1.3	3.59E-03	22.7	1.1	4.97E-02	V	V
COX17	91.8	1.0	71.5	-1.3	5.88E-03	88.9	-1.0	4.23E-01		
C21orf63	4.8	1.0	3.8	-1.3	2.08E-02	6.8	1.4	4.35E-01		
C14orf142	5.5	1.0	4.3	-1.3	3.55E-03	4.3	-1.3	7.00E-01		
C12orf52	4.4	1.0	3.4	-1.3	3.64E-04	3.3	-1.3	2.11E-02		
SLC39A14	27.4	1.0	21.3	-1.3	4.91E-02	28.3	1.0	2.57E-01		
AQP1	83.9	1.0	65.1	-1.3	3.14E-02	109.9	1.3	3.98E-02		
RABGGTA	5.6	1.0	4.3	-1.3	1.72E-03	4.8	-1.2	1.81E-01		
SPATA24	3.4	1.0	2.7	-1.3	4.94E-02	2.8	-1.2	6.43E-01		
C7orf70	6.8	1.0	5.3	-1.3	1.88E-03	5.6	-1.2	4.82E-01		
AHCY	22.0	1.0	17.1	-1.3	3.54E-03	19.5	-1.1	7.47E-01		
COQ3	11.2	1.0	8.7	-1.3	1.41E-03	7.9	-1.4	1.76E-01		

PLCXD3	15.0	1.0	11.6	-1.3	1.64E-02	18.3	1.2	5.43E-02		
FEM1A	23.3	1.0	18.0	-1.3	2.29E-04	21.0	-1.1	1.74E-01		
AVEN	7.5	1.0	5.8	-1.3	4.00E-02	6.3	-1.2	9.03E-01		
MTG1	4.5	1.0	3.5	-1.3	2.99E-02	4.1	-1.1	4.05E-01		
FUNDC2	42.2	1.0	32.5	-1.3	2.39E-06	34.9	-1.2	7.65E-01		
TPST2	8.4	1.0	6.5	-1.3	4.66E-02	9.2	1.1	9.31E-01		
PPP1R3B	12.8	1.0	9.8	-1.3	2.55E-02	12.6	-1.0	8.15E-02		
LRRC39	53.9	1.0	41.3	-1.3	1.77E-02	33.1	-1.6	1.94E-01		
C6orf106	30.6	1.0	23.5	-1.3	2.75E-04	28.0	-1.1	4.15E-01		
NDUFB1	140.9	1.0	108.0	-1.3	5.97E-03	114.2	-1.2	8.65E-01		
PODXL	21.6	1.0	16.6	-1.3	3.86E-03	16.3	-1.3	3.38E-02		
ATP5G1	140.6	1.0	107.8	-1.3	4.15E-03	112.5	-1.3	9.52E-01		
PPIP5K2	4.0	1.0	3.1	-1.3	2.17E-02	4.1	1.0	6.11E-01		
TMEM189	7.2	1.0	5.5	-1.3	7.43E-03	6.1	-1.2	2.95E-01		
DEXI	26.1	1.0	20.0	-1.3	4.29E-03	21.3	-1.2	5.94E-01		
SLC25A13	2.5	1.0	1.9	-1.3	3.41E-02	2.4	-1.1	4.27E-01		
C8orf38	6.0	1.0	4.6	-1.3	7.54E-03	4.0	-1.5	3.81E-02		
IL17RC	7.7	1.0	5.9	-1.3	1.55E-02	7.3	-1.1	9.68E-01		
P2RY2	2.7	1.0	2.1	-1.3	8.19E-03	2.1	-1.3	9.24E-01		
ISOC1	24.1	1.0	18.4	-1.3	1.13E-02	15.4	-1.6	1.08E-01		
MFSD3	4.3	1.0	3.3	-1.3	3.20E-02	3.5	-1.2	7.23E-01		
PPP3CC	11.6	1.0	8.8	-1.3	1.04E-02	11.6	1.0	3.67E-01		
CLGN	34.7	1.0	26.4	-1.3	3.78E-02	25.0	-1.4	6.52E-01		
EPS15L1	15.6	1.0	11.9	-1.3	1.77E-04	13.5	-1.2	6.25E-01		
ZNF189	6.9	1.0	5.3	-1.3	3.84E-02	19.6	2.8	1.01E-03		
ZNF787	5.2	1.0	3.9	-1.3	4.35E-03	4.7	-1.1	3.02E-01		
KIFC2	3.2	1.0	2.4	-1.3	3.29E-02	3.0	-1.1	3.74E-01		
MYL3	2431.3	1.0	1850.1	-1.3	3.64E-04	1653.7	-1.5	1.51E-01		
EFNB1	7.0	1.0	5.3	-1.3	1.68E-02	7.0	1.0	7.54E-01		
CAPN10	4.8	1.0	3.7	-1.3	1.12E-02	4.4	-1.1	4.98E-01		
TRPM7	4.7	1.0	3.6	-1.3	2.71E-03	4.4	-1.1	7.16E-01		
MAPKAPK3	109.1	1.0	82.9	-1.3	4.10E-05	83.8	-1.3	9.54E-01		
TMEM70	7.5	1.0	5.7	-1.3	3.09E-03	6.1	-1.2	2.14E-01		
STRADB	15.7	1.0	12.0	-1.3	3.23E-04	11.1	-1.4	2.22E-01		
TTN	93.0	1.0	70.6	-1.3	5.75E-04	83.8	-1.1	2.72E-01		
PGP	9.4	1.0	7.2	-1.3	3.77E-04	6.8	-1.4	1.09E-01		
EGLN1	11.8	1.0	9.0	-1.3	6.96E-04	11.5	-1.0	4.30E-01		
SNHG6	31.0	1.0	23.5	-1.3	3.66E-03	32.2	1.0	4.93E-01		
TTYH2	8.5	1.0	6.4	-1.3	7.16E-04	7.2	-1.2	8.24E-01		
TMEM150C	4.9	1.0	3.7	-1.3	3.09E-02	4.0	-1.2	1.56E-01		
SPARCL1	305.3	1.0	231.2	-1.3	1.70E-02	309.4	1.0	6.99E-01		
C6orf129	6.7	1.0	5.1	-1.3	7.16E-03	6.0	-1.1	9.56E-01		
IL15RA	3.2	1.0	2.4	-1.3	1.10E-02	3.8	1.2	4.65E-01		
SLC7A6	14.3	1.0	10.8	-1.3	7.48E-03	15.6	1.1	4.26E-02	V	V
ASPSCR1	4.9	1.0	3.7	-1.3	8.88E-04	4.2	-1.2	4.49E-01		
RASL12	5.6	1.0	4.2	-1.3	3.38E-02	5.2	-1.1	8.42E-01		
ERCC1	28.6	1.0	21.6	-1.3	4.21E-05	22.1	-1.3	5.15E-01		
ACSS3	5.8	1.0	4.3	-1.3	4.71E-03	6.0	1.0	3.70E-01		
C9orf5	11.1	1.0	8.4	-1.3	9.94E-04	9.7	-1.1	7.24E-01		
KLHDC3	31.6	1.0	23.9	-1.3	8.11E-04	30.0	-1.1	6.67E-01		
COL27A1	4.1	1.0	3.1	-1.3	4.32E-02	3.9	-1.1	4.66E-01		
ZBTB7B	7.6	1.0	5.7	-1.3	2.16E-02	8.6	1.1	1.46E-01		
ACADVL	279.5	1.0	210.7	-1.3	5.41E-05	246.6	-1.1	2.51E-01		
BAIAP2	3.7	1.0	2.8	-1.3	3.55E-02	7.0	1.9	7.64E-04		
DVL1	20.5	1.0	15.4	-1.3	2.00E-04	16.6	-1.2	5.71E-01		
MPST	16.1	1.0	12.1	-1.3	1.13E-02	13.1	-1.2	2.60E-01		
MRPL34	21.1	1.0	15.9	-1.3	3.50E-03	15.2	-1.4	2.41E-02		
TSPAN14	7.4	1.0	5.6	-1.3	3.28E-04	8.1	1.1	6.05E-01		
NME2	78.1	1.0	58.6	-1.3	4.57E-02	65.2	-1.2	2.39E-01		
PAIP2B	13.1	1.0	9.8	-1.3	1.72E-02	9.5	-1.4	5.97E-01		
DOCK9	7.7	1.0	5.8	-1.3	9.13E-03	11.4	1.5	4.47E-01		
LRDD	2.3	1.0	1.7	-1.3	3.46E-03	2.3	1.0	9.58E-01		
COX7B	667.4	1.0	501.0	-1.3	6.59E-04	518.3	-1.3	8.98E-01		
PLEKHJ1	8.7	1.0	6.6	-1.3	7.60E-03	7.3	-1.2	6.72E-01		
GSTM4	11.6	1.0	8.7	-1.3	6.18E-04	9.4	-1.2	3.72E-01		
TMEM65	9.7	1.0	7.3	-1.3	4.48E-03	7.7	-1.3	9.27E-01		
PPAPDC3	20.2	1.0	15.1	-1.3	2.05E-02	10.0	-2.0	8.79E-04		
TCEA3	23.2	1.0	17.3	-1.3	1.73E-03	17.7	-1.3	7.37E-01		
SLC41A1	74.5	1.0	55.7	-1.3	1.18E-02	52.5	-1.4	3.10E-01		
C11orf67	30.5	1.0	22.8	-1.3	3.82E-04	26.7	-1.1	4.49E-01		
GCAT	11.9	1.0	8.9	-1.3	2.86E-02	8.5	-1.4	4.31E-01		
IFRD2	11.0	1.0	8.2	-1.3	4.67E-04	9.5	-1.2	8.07E-01		
LRRC8A	9.1	1.0	6.8	-1.3	4.61E-04	18.3	2.0	1.52E-03		
COX6A2	652.6	1.0	486.0	-1.3	4.71E-03	486.5	-1.3	7.97E-01		
PIP5K1B	17.1	1.0	12.7	-1.3	6.66E-03	12.8	-1.3	6.54E-01		
NCALD	3.4	1.0	2.5	-1.3	1.80E-02	2.9	-1.2	8.71E-01		
GAS2L1	5.2	1.0	3.9	-1.3	1.96E-02	7.6	1.5	3.97E-02		
SERPINB6	55.2	1.0	41.0	-1.3	1.12E-02	46.6	-1.2	7.96E-01		
ITPK1	20.4	1.0	15.1	-1.3	9.69E-03	18.9	-1.1	4.18E-01		
PPP1R13B	16.8	1.0	12.5	-1.3	3.14E-03	14.2	-1.2	9.52E-01		
AKTIP	19.2	1.0	14.2	-1.4	5.41E-04	19.2	-1.0	4.07E-02	V	V
WWP1	25.6	1.0	18.9	-1.4	7.57E-05	20.3	-1.3	6.99E-01		
EPN1	40.9	1.0	30.2	-1.4	1.56E-03	33.2	-1.2	9.42E-01		
MRPS24	47.7	1.0	35.2	-1.4	1.87E-07	38.7	-1.2	8.76E-01		
PRDX6	93.3	1.0	68.7	-1.4	4.92E-03	86.6	-1.1	5.34E-01		
NFIL3	12.0	1.0	8.8	-1.4	1.30E-03	22.7	1.9	7.36E-01		
SLC2A4	25.7	1.0	18.9	-1.4	9.16E-03	15.8	-1.6	8.46E-02		
ITPKC	3.4	1.0	2.5	-1.4	8.17E-03	7.4	2.2	2.55E-01		

H1F0	35.2	1.0	25.8	-1.4	1.07E-02	24.3	-1.4	1.14E-02		
RHBDF2	2.4	1.0	1.8	-1.4	2.95E-02	3.0	1.3	8.92E-01		
HAND1	8.0	1.0	5.8	-1.4	1.55E-02	5.6	-1.4	8.41E-01		
CUTC	14.6	1.0	10.7	-1.4	3.00E-03	14.1	-1.0	1.99E-01		
FNDC5	14.7	1.0	10.7	-1.4	8.93E-03	11.1	-1.3	8.78E-01		
MRPL41	128.1	1.0	93.4	-1.4	4.18E-04	88.4	-1.4	4.68E-01		
NCEH1	9.8	1.0	7.1	-1.4	8.91E-03	8.8	-1.1	1.14E-01		
AGTPBP1	8.1	1.0	5.9	-1.4	3.07E-03	5.8	-1.4	7.73E-02		
HMBS	5.4	1.0	3.9	-1.4	2.42E-02	3.2	-1.7	1.13E-02		
TRMT61B	5.2	1.0	3.8	-1.4	4.06E-03	4.2	-1.2	8.05E-01		
SLC4A3	89.9	1.0	65.1	-1.4	5.69E-03	62.4	-1.4	6.61E-01		
BID	4.4	1.0	3.2	-1.4	3.03E-02	4.9	1.1	1.41E-01		
NDRG4	180.9	1.0	130.9	-1.4	2.32E-04	150.3	-1.2	3.42E-01		
LARP1B	4.9	1.0	3.5	-1.4	3.17E-03	4.2	-1.2	8.69E-01		
DSP	77.5	1.0	56.0	-1.4	1.66E-02	55.8	-1.4	9.92E-01		
RASGRP2	5.9	1.0	4.3	-1.4	5.15E-03	7.0	1.2	6.31E-01		
C1orf31	7.9	1.0	5.7	-1.4	1.88E-03	6.4	-1.2	7.87E-01		
FBLIM1	10.7	1.0	7.8	-1.4	2.82E-02	9.1	-1.2	4.74E-01		
GMPR	38.3	1.0	27.6	-1.4	2.71E-04	33.0	-1.2	3.06E-01		
ZNF865	3.1	1.0	2.3	-1.4	7.98E-06	2.8	-1.1	4.30E-01		
LRSAM1	10.1	1.0	7.3	-1.4	5.43E-05	6.9	-1.5	3.86E-02		
CHPT1	40.7	1.0	29.3	-1.4	6.58E-03	30.4	-1.3	3.71E-01		
RHOF	4.4	1.0	3.2	-1.4	8.58E-03	2.8	-1.6	7.15E-02		
DENND3	5.3	1.0	3.8	-1.4	8.94E-03	9.5	1.8	3.30E-01		
JPH2	37.3	1.0	26.8	-1.4	3.16E-02	34.8	-1.1	5.36E-02		
TST	16.7	1.0	12.0	-1.4	7.55E-03	12.3	-1.4	3.78E-01		
RAPGEF3	4.7	1.0	3.4	-1.4	1.87E-02	6.9	1.5	6.37E-01		
PARVB	26.2	1.0	18.8	-1.4	1.36E-02	20.9	-1.3	6.74E-01		
CITED4	4.8	1.0	3.5	-1.4	1.27E-02	3.1	-1.6	1.75E-01		
BCL2L1	20.0	1.0	14.4	-1.4	7.75E-03	21.4	1.1	1.45E-01		
GPD1L	72.8	1.0	52.2	-1.4	1.85E-02	40.1	-1.8	1.50E-03		
ASB2	46.8	1.0	33.5	-1.4	4.44E-02	21.3	-2.2	2.38E-02		
MAN2A2	13.8	1.0	9.8	-1.4	1.01E-03	13.0	-1.1	1.60E-01		
SGK1	11.5	1.0	8.2	-1.4	4.02E-02	23.9	2.1	5.43E-01		
GLUL	60.3	1.0	43.0	-1.4	1.31E-02	113.4	1.9	6.03E-01		
ESRRG	5.3	1.0	3.8	-1.4	2.48E-02	4.0	-1.3	7.03E-01		
GPATCH4	7.2	1.0	5.2	-1.4	2.84E-02	7.2	1.0	2.85E-01		
JUP	49.7	1.0	35.4	-1.4	7.09E-04	38.9	-1.3	3.56E-01		
TRMU	6.2	1.0	4.4	-1.4	1.53E-05	4.6	-1.4	1.19E-01		
SNRNP35	14.5	1.0	10.3	-1.4	2.05E-04	11.0	-1.3	5.68E-01		
TMTC1	5.7	1.0	4.0	-1.4	1.57E-04	6.4	1.1	2.28E-01		
FSD2	17.3	1.0	12.2	-1.4	1.88E-02	9.0	-1.9	7.68E-02		
KLF9	18.3	1.0	13.0	-1.4	1.27E-02	31.7	1.7	2.24E-02		
LIFR	4.8	1.0	3.4	-1.4	1.23E-02	7.1	1.5	9.11E-02		
OC10012798	20.3	1.0	14.4	-1.4	1.41E-02	17.7	-1.1	3.13E-01		
LSS	11.8	1.0	8.3	-1.4	1.39E-02	11.5	-1.0	2.12E-01		
CD82	10.0	1.0	7.0	-1.4	4.04E-03	8.1	-1.2	3.84E-01		
MRPL48	10.5	1.0	7.4	-1.4	9.29E-05	7.7	-1.4	4.46E-01		
HADHB	307.8	1.0	216.6	-1.4	3.51E-04	232.1	-1.3	6.88E-01		
IDH2	240.9	1.0	169.2	-1.4	4.02E-04	182.9	-1.3	6.03E-01		
SLC1A3	21.8	1.0	15.3	-1.4	4.37E-02	27.2	1.2	1.02E-02		
ZNF784	4.4	1.0	3.1	-1.4	2.21E-04	3.7	-1.2	3.06E-01		
OSBPL11	3.6	1.0	2.5	-1.4	2.75E-03	4.0	1.1	2.50E-02		
UBTD1	9.1	1.0	6.4	-1.4	1.05E-03	6.1	-1.5	1.16E-01		
AMD1	16.4	1.0	11.5	-1.4	1.75E-03	17.4	1.1	1.29E-01		
AIF1L	11.7	1.0	8.2	-1.4	3.66E-04	9.9	-1.2	6.29E-01		
TSPAN13	6.8	1.0	4.8	-1.4	4.15E-03	7.0	1.0	3.66E-01		
SYT7	4.7	1.0	3.3	-1.4	2.20E-02	3.2	-1.5	5.40E-01		
MERTK	2.3	1.0	1.6	-1.4	4.61E-02	4.0	1.7	7.00E-01		
C10orf54	9.8	1.0	6.8	-1.4	4.91E-03	8.0	-1.2	3.67E-01		
MTHFD2	6.7	1.0	4.7	-1.4	1.73E-02	15.6	2.3	7.61E-01		
PDZRN3	24.4	1.0	16.9	-1.4	2.42E-02	16.4	-1.5	2.68E-01		
TCN2	7.6	1.0	5.3	-1.4	2.48E-03	7.0	-1.1	2.86E-01		
SEMA6B	3.4	1.0	2.4	-1.4	4.48E-02	3.1	-1.1	5.70E-01		
OCIAD2	5.4	1.0	3.7	-1.4	2.50E-03	4.5	-1.2	6.94E-01		
PXMP2	14.1	1.0	9.7	-1.4	1.20E-03	10.0	-1.4	6.49E-01		
CCBL1	4.1	1.0	2.8	-1.5	3.63E-04	3.4	-1.2	3.71E-01		
PFKFB2	17.8	1.0	12.2	-1.5	8.63E-03	7.0	-2.5	2.09E-03		
PIM3	12.2	1.0	8.4	-1.5	1.22E-02	12.7	1.0	4.10E-01		
STARD10	10.2	1.0	7.0	-1.5	1.40E-02	7.1	-1.4	4.51E-01		
CALCOCO2	60.2	1.0	41.2	-1.5	3.29E-06	53.7	-1.1	7.34E-01		
CDC42EP4	11.4	1.0	7.8	-1.5	1.20E-02	16.2	1.4	1.32E-02		
MAP3K6	11.2	1.0	7.7	-1.5	5.71E-03	16.7	1.5	2.19E-02		
MZT2B	46.7	1.0	31.9	-1.5	1.25E-04	37.2	-1.3	7.38E-01		
LPCAT3	9.8	1.0	6.7	-1.5	2.08E-02	7.5	-1.3	7.45E-01		
PPP1R13L	23.5	1.0	16.0	-1.5	2.25E-04	15.1	-1.6	3.86E-01		
CHRAC1	4.0	1.0	2.7	-1.5	1.66E-03	3.9	-1.0	2.84E-01		
PID1	4.9	1.0	3.4	-1.5	3.76E-02	5.9	1.2	3.11E-01		
CCDC28B	4.3	1.0	2.9	-1.5	1.21E-02	2.7	-1.6	1.14E-01		
CTNNBIP1	10.2	1.0	6.9	-1.5	2.41E-02	7.5	-1.4	6.27E-01		
RNF144B	2.9	1.0	2.0	-1.5	1.47E-02	2.5	-1.1	5.40E-01		
SLC9A3R2	43.6	1.0	29.5	-1.5	5.28E-04	31.9	-1.4	4.95E-01		
TBX3	4.6	1.0	3.1	-1.5	1.04E-02	3.9	-1.2	4.84E-01		
GPX3	307.2	1.0	206.8	-1.5	2.80E-03	227.5	-1.4	1.29E-01		
TUBB2C	153.3	1.0	103.2	-1.5	1.09E-03	104.5	-1.5	3.76E-01		
FAM78A	8.0	1.0	5.4	-1.5	1.28E-02	4.3	-1.9	2.48E-03		
SYNE2	44.5	1.0	29.9	-1.5	4.91E-04	30.9	-1.4	5.34E-01		
GPR116	25.9	1.0	17.4	-1.5	8.99E-05	25.7	-1.0	3.12E-01		

C19orf47	17.3	1.0	11.6	-1.5	1.88E-04	14.6	-1.2	9.65E-02		
MFSD6	5.9	1.0	4.0	-1.5	9.90E-04	5.1	-1.2	7.06E-01		
GPIHBP1	6.1	1.0	4.0	-1.5	1.57E-02	7.4	1.2	2.40E-01		
ProSAPiP1	3.9	1.0	2.6	-1.5	1.21E-05	3.3	-1.2	3.54E-01		
SELENBP1	24.3	1.0	16.2	-1.5	1.52E-02	18.6	-1.3	7.30E-01		
TEAD2	16.3	1.0	10.8	-1.5	7.01E-04	12.9	-1.3	8.16E-01		
PLEKHF1	7.8	1.0	5.2	-1.5	8.09E-03	9.8	1.3	4.36E-02		
IMPA2	8.4	1.0	5.5	-1.5	7.50E-03	5.7	-1.5	8.80E-01		
NQO2	19.7	1.0	13.0	-1.5	1.77E-02	13.2	-1.5	4.95E-01		
MARK3	21.7	1.0	14.3	-1.5	6.38E-05	20.1	-1.1	4.12E-01		
ANK1	23.8	1.0	15.6	-1.5	4.62E-02	15.8	-1.5	9.12E-01		
ING2	2.9	1.0	1.9	-1.5	1.25E-02	2.3	-1.2	7.01E-01		
SLC26A9	5.9	1.0	3.9	-1.5	9.74E-03	4.8	-1.2	4.75E-01		
TPM2	348.3	1.0	227.2	-1.5	7.73E-04	272.4	-1.3	5.60E-01		
GPSM1	16.0	1.0	10.5	-1.5	3.24E-02	12.5	-1.3	6.52E-01		
CKM	1881.3	1.0	1226.9	-1.5	9.27E-04	1154.1	-1.6	2.32E-01		
SLC31A2	5.0	1.0	3.3	-1.5	8.16E-03	5.8	1.2	5.84E-01		
GTF3A	68.4	1.0	44.4	-1.5	1.14E-07	50.9	-1.3	5.32E-01		
GALK1	3.8	1.0	2.4	-1.5	3.36E-04	2.9	-1.3	6.61E-01		
KY	2.4	1.0	1.6	-1.5	3.65E-02	1.3	-1.9	7.67E-02		
PTGDS	1058.3	1.0	682.3	-1.6	4.70E-03	786.1	-1.3	9.24E-01		
BCL6	19.2	1.0	12.4	-1.6	2.47E-02	25.3	1.3	6.86E-01		
MRPS25	15.8	1.0	10.1	-1.6	6.00E-04	12.8	-1.2	2.19E-01		
CPAMD8	4.2	1.0	2.7	-1.6	1.62E-02	3.0	-1.4	8.76E-01		
PDE7A	24.0	1.0	15.4	-1.6	3.88E-04	30.1	1.3	9.86E-03		
ASB10	9.5	1.0	6.1	-1.6	8.06E-04	3.9	-2.5	1.15E-03		
OPLAH	13.8	1.0	8.8	-1.6	3.51E-04	9.8	-1.4	8.59E-01		
ADCK3	79.1	1.0	50.2	-1.6	9.51E-04	62.5	-1.3	2.17E-01		
KIAA0040	5.9	1.0	3.7	-1.6	1.64E-02	6.3	1.1	5.37E-01		
GLTPD1	21.4	1.0	13.5	-1.6	1.34E-05	14.7	-1.5	6.53E-01		
C3orf43	7.5	1.0	4.8	-1.6	4.10E-02	6.0	-1.3	1.94E-01		
ENDOG	13.9	1.0	8.8	-1.6	5.10E-07	8.9	-1.6	9.95E-01		
TESC	20.9	1.0	13.1	-1.6	2.92E-03	15.1	-1.4	6.96E-01		
KCNH2	24.4	1.0	15.4	-1.6	1.29E-04	17.7	-1.4	2.81E-01		
RGL3	4.7	1.0	3.0	-1.6	4.47E-02	3.1	-1.5	5.34E-01		
LOC389333	8.7	1.0	5.4	-1.6	3.13E-03	6.1	-1.4	2.47E-01		
CACNA2D3	6.3	1.0	4.0	-1.6	9.29E-03	3.0	-2.1	4.50E-02		
ARRDC2	4.9	1.0	3.1	-1.6	3.16E-02	11.1	2.3	1.06E-02		
FAM58A	14.6	1.0	9.2	-1.6	2.53E-05	12.0	-1.2	1.71E-01		
HSPB3	169.0	1.0	105.8	-1.6	6.14E-04	113.5	-1.5	9.35E-01		
APOBEC2	66.8	1.0	41.8	-1.6	2.51E-04	35.4	-1.9	3.08E-01		
ATP2A2	510.0	1.0	318.3	-1.6	4.37E-05	349.1	-1.5	7.55E-01		
LPCAT4	14.3	1.0	8.9	-1.6	3.63E-03	9.4	-1.5	2.93E-01		
FAM107A	27.7	1.0	17.2	-1.6	3.89E-06	28.3	1.0	5.50E-01		
GPR4	3.6	1.0	2.3	-1.6	6.91E-03	3.9	1.1	7.03E-01		
PTH1R	5.4	1.0	3.3	-1.6	3.07E-03	5.1	-1.1	5.05E-01		
PDE4A	3.8	1.0	2.4	-1.6	1.20E-04	2.6	-1.5	7.62E-02		
KLHL38	21.1	1.0	13.0	-1.6	9.90E-03	10.5	-2.0	2.29E-01		
TPRKB	10.8	1.0	6.7	-1.6	1.23E-04	8.3	-1.3	7.40E-01		
FGF7	5.1	1.0	3.2	-1.6	7.46E-03	2.5	-2.0	2.33E-02		
PLXNB1	8.2	1.0	5.1	-1.6	4.99E-04	7.4	-1.1	9.88E-02		
PTP4A3	173.4	1.0	107.0	-1.6	3.04E-03	108.6	-1.6	7.48E-01		
EPB41L4B	2.5	1.0	1.5	-1.6	2.23E-02	2.0	-1.3	5.09E-01		
DIRAS1	28.9	1.0	17.8	-1.6	2.15E-03	14.6	-2.0	6.38E-02		
AASS	5.2	1.0	3.2	-1.6	6.05E-04	4.5	-1.2	6.75E-01		
FAM65C	4.6	1.0	2.8	-1.6	5.26E-03	3.0	-1.5	1.27E-01		
COQ10A	66.0	1.0	40.6	-1.6	3.74E-04	36.1	-1.8	5.57E-02		
ENTPD6	29.8	1.0	18.3	-1.6	8.08E-05	20.3	-1.5	8.93E-01		
TMEM177	2.4	1.0	1.5	-1.6	1.03E-03	1.4	-1.7	7.01E-01		
PLIN5	14.2	1.0	8.6	-1.6	5.45E-04	7.7	-1.8	5.18E-03		
C1orf168	3.1	1.0	1.9	-1.6	8.73E-03	3.2	1.0	1.99E-01		
GPT	13.3	1.0	7.9	-1.7	6.24E-04	7.6	-1.8	5.50E-01		
CEACAM19	3.3	1.0	2.0	-1.7	1.15E-02	2.0	-1.6	7.00E-01		
KBTBD10	61.2	1.0	36.4	-1.7	4.12E-03	58.5	-1.0	6.32E-02		
SLC2A1	8.1	1.0	4.8	-1.7	8.63E-03	6.7	-1.2	1.09E-01		
C1orf183	3.1	1.0	1.8	-1.7	1.73E-03	3.8	1.2	5.02E-02		
LPAR3	2.7	1.0	1.6	-1.7	2.52E-03	2.1	-1.3	1.15E-01		
TLR2	1.3	1.0	0.8	-1.7	1.03E-02	2.4	1.8	1.18E-01		
PLCD3	11.6	1.0	6.8	-1.7	3.66E-04	7.6	-1.5	5.00E-01		
SLC29A2	5.6	1.0	3.3	-1.7	6.19E-07	5.7	1.0	6.16E-03	V	V
COMTD1	8.3	1.0	4.8	-1.7	4.25E-04	5.7	-1.4	5.57E-01		
EDNRB	10.7	1.0	6.2	-1.7	1.09E-03	10.2	-1.0	7.50E-01		
CCDC69	28.4	1.0	16.5	-1.7	1.22E-04	17.8	-1.6	4.53E-01		
C3	44.8	1.0	26.1	-1.7	4.34E-02	52.7	1.2	2.95E-01		
ACCN3	2.9	1.0	1.7	-1.7	6.04E-04	2.1	-1.4	2.48E-01		
PYGM	26.0	1.0	15.1	-1.7	1.05E-04	19.4	-1.3	1.60E-01		
ACSS1	32.2	1.0	18.6	-1.7	1.86E-03	21.1	-1.5	6.28E-01		
PALLD	148.5	1.0	85.6	-1.7	6.62E-04	129.1	-1.2	2.52E-02		V
PGAM2	256.2	1.0	147.5	-1.7	9.13E-06	162.3	-1.6	5.55E-01		
TUBA1C	15.2	1.0	8.7	-1.7	1.54E-02	13.3	-1.1	8.28E-01		
ANXA3	21.7	1.0	12.4	-1.7	1.03E-03	15.0	-1.4	6.79E-01		
ASIP	5.1	1.0	2.9	-1.7	6.20E-03	4.5	-1.1	1.43E-01		
LYVE1	14.9	1.0	8.5	-1.8	3.36E-02	12.9	-1.2	6.18E-01		
PTDSS1	57.3	1.0	32.6	-1.8	6.47E-05	38.2	-1.5	5.17E-01		
WDR62	3.7	1.0	2.1	-1.8	1.08E-02	3.3	-1.1	2.35E-02		V
DUSP13	6.6	1.0	3.7	-1.8	3.51E-03	5.5	-1.2	2.20E-01		
HMOX2	35.6	1.0	20.0	-1.8	1.77E-05	23.5	-1.5	3.93E-01		
SMYD1	80.5	1.0	45.3	-1.8	2.11E-05	43.6	-1.8	7.34E-01		

C15orf59	14.5	1.0	8.1	-1.8	1.53E-02	9.0	-1.6	3.49E-01		
GPR133	12.9	1.0	7.2	-1.8	1.11E-03	10.0	-1.3	3.14E-02		V
GALNTL2	4.3	1.0	2.4	-1.8	3.64E-02	6.3	1.5	6.76E-01		
HOGA1	7.1	1.0	3.9	-1.8	1.84E-02	4.9	-1.4	4.44E-01		
RASL10B	6.4	1.0	3.5	-1.8	1.16E-02	3.6	-1.8	3.25E-01		
KCND3	4.0	1.0	2.2	-1.8	9.63E-04	3.1	-1.3	1.30E-01		
GPR17	6.9	1.0	3.8	-1.8	5.81E-04	4.3	-1.6	9.88E-01		
FIGF	7.5	1.0	4.1	-1.8	3.21E-02	4.3	-1.7	6.56E-01		
OC10013119	7.7	1.0	4.2	-1.8	2.35E-03	5.8	-1.3	1.88E-01		
HIST1H1C	43.2	1.0	23.5	-1.8	1.99E-03	24.7	-1.7	9.22E-01		
HIF3A	19.3	1.0	10.5	-1.8	2.97E-04	18.2	-1.1	1.38E-01		
KCNJ11	3.3	1.0	1.7	-1.9	3.61E-04	2.3	-1.4	7.91E-02		
CRISPLD2	7.3	1.0	3.9	-1.9	4.78E-03	13.9	1.9	5.01E-01		
PPP1R1A	27.1	1.0	14.4	-1.9	3.06E-02	17.4	-1.6	8.86E-01		
CSDC2	91.6	1.0	48.4	-1.9	6.16E-04	92.5	1.0	2.30E-02	V	V
MPP3	8.9	1.0	4.7	-1.9	2.76E-04	10.6	1.2	1.15E-01		
LRRC14B	17.1	1.0	9.0	-1.9	1.79E-02	5.9	-2.9	1.50E-01		
SHISA4	43.9	1.0	23.1	-1.9	3.01E-03	36.9	-1.2	6.16E-02		
CREB3L1	11.1	1.0	5.8	-1.9	1.09E-05	6.5	-1.7	9.72E-01		
ADRB1	7.5	1.0	3.9	-1.9	1.24E-02	3.6	-2.1	9.55E-01		
TUBA8	54.2	1.0	28.0	-1.9	8.77E-03	22.2	-2.4	4.28E-02		
MID1IP1	9.2	1.0	4.7	-2.0	1.03E-02	5.0	-1.8	1.73E-01		
ZNF703	2.6	1.0	1.3	-2.0	5.24E-04	3.1	1.2	2.33E-02		
SLC5A1	38.3	1.0	19.2	-2.0	2.75E-04	25.6	-1.5	5.63E-02		
BIRC3	2.5	1.0	1.3	-2.0	6.28E-04	2.5	-1.0	5.03E-01		
SH3RF2	74.4	1.0	36.8	-2.0	8.34E-04	43.3	-1.7	5.32E-01		
EIF4EBP1	11.9	1.0	5.9	-2.0	3.92E-04	6.9	-1.7	4.55E-01		
PLIN2	32.7	1.0	16.1	-2.0	4.82E-02	43.1	1.3	5.96E-01		
ART3	39.5	1.0	19.1	-2.1	3.97E-05	21.7	-1.8	8.70E-01		
PPL	3.1	1.0	1.5	-2.1	2.00E-04	2.3	-1.4	2.48E-01		
KLF15	15.3	1.0	7.3	-2.1	7.00E-04	21.9	1.4	9.55E-03		
GADD45B	17.8	1.0	8.5	-2.1	2.25E-02	52.6	3.0	7.90E-01		
MZT2A	35.9	1.0	17.1	-2.1	6.15E-05	21.3	-1.7	3.48E-01		
MTUS2	30.1	1.0	14.2	-2.1	9.71E-05	18.1	-1.7	6.69E-02		
GRB14	4.6	1.0	2.2	-2.1	2.46E-03	2.3	-2.1	9.03E-01		
LMAN1L	1.9	1.0	0.9	-2.1	3.51E-02	1.1	-1.7	3.17E-01		
C13orf15	27.8	1.0	13.0	-2.1	1.02E-04	41.0	1.5	5.31E-03		
CADPS2	2.8	1.0	1.3	-2.2	1.53E-03	1.8	-1.5	5.52E-01		
ADAMTS9	4.4	1.0	2.0	-2.2	1.18E-02	3.1	-1.4	5.89E-01		
SMTNL2	6.0	1.0	2.7	-2.2	1.50E-03	1.8	-3.4	4.03E-02		
C19orf33	3.0	1.0	1.4	-2.2	2.15E-02	1.0	-2.9	1.86E-01		
C1orf51	3.0	1.0	1.3	-2.3	1.91E-02	3.8	1.3	1.20E-01		
PNMT	2.9	1.0	1.3	-2.3	1.64E-02	4.0	1.4	1.15E-04		
KCNIP2	69.8	1.0	29.4	-2.4	2.72E-02	36.0	-1.9	5.18E-01		
ADAMTS15	5.4	1.0	2.2	-2.4	2.32E-03	3.6	-1.5	4.04E-01		
CPLX3	3.3	1.0	1.3	-2.5	7.02E-03	1.4	-2.4	8.48E-01		
FKBP5	42.9	1.0	16.8	-2.5	9.39E-05	126.6	3.0	4.27E-03		
FAM155B	9.1	1.0	3.6	-2.6	1.48E-03	9.8	1.1	9.34E-03	V	V
FCN3	10.0	1.0	3.9	-2.6	1.17E-02	2.9	-3.4	3.00E-01		
METTL7B	7.6	1.0	2.9	-2.6	4.69E-03	6.8	-1.1	2.45E-01		
CD163	18.2	1.0	6.9	-2.6	9.32E-03	26.5	1.5	4.56E-01		
ANPEP	2.3	1.0	0.9	-2.7	7.24E-03	2.1	-1.1	7.17E-01		
ADAM11	3.6	1.0	1.3	-2.7	7.19E-04	1.8	-1.9	2.67E-01		
PVRL1	4.4	1.0	1.6	-2.7	2.90E-03	1.9	-2.3	6.99E-01		
S1PR3	9.2	1.0	3.4	-2.7	9.83E-04	5.8	-1.6	3.88E-02		V
MT1X	39.5	1.0	14.5	-2.7	4.06E-02	79.9	2.0	7.79E-01		
MBNL3	1.8	1.0	0.6	-2.8	1.14E-02	1.6	-1.1	1.20E-01		
MYL7	526.1	1.0	179.5	-2.9	2.47E-02	321.9	-1.6	2.64E-01		
CHST9	2.9	1.0	1.0	-2.9	5.27E-04	1.1	-2.7	9.71E-01		
ZFP57	5.1	1.0	1.7	-3.0	3.76E-02	2.1	-2.5	7.39E-01		
AGXT2L1	3.8	1.0	1.2	-3.0	2.04E-02	1.3	-3.0	8.84E-01		
AQP3	8.7	1.0	2.9	-3.1	4.69E-03	5.1	-1.7	8.81E-01		
NPTX2	3.9	1.0	1.3	-3.1	5.54E-03	2.3	-1.7	3.04E-01		
CYP4B1	11.9	1.0	3.8	-3.2	1.42E-03	15.5	1.3	4.73E-02		
FAM46B	8.6	1.0	2.6	-3.3	4.91E-04	7.2	-1.2	1.75E-03		V
ADAMTS4	5.8	1.0	1.7	-3.4	4.01E-02	8.3	1.4	6.24E-01		
EPN3	3.2	1.0	0.9	-3.5	8.76E-04	1.1	-3.0	5.36E-01		
LRRN3	2.2	1.0	0.6	-3.7	2.10E-02	0.9	-2.6	7.43E-01		
SGPP2	5.2	1.0	1.4	-3.8	1.64E-03	2.9	-1.8	1.46E-01		
PRODH	13.5	1.0	3.5	-3.9	9.15E-04	3.5	-3.8	2.73E-01		
BMP7	2.3	1.0	0.6	-3.9	4.50E-04	0.8	-2.7	7.06E-01		
LCN10	3.2	1.0	0.8	-4.0	2.80E-04	2.7	-1.2	9.26E-02		
SLCO4A1	7.7	1.0	1.8	-4.2	8.25E-06	7.3	-1.0	5.23E-01		
SERPINA3	29.0	1.0	6.4	-4.5	3.52E-03	15.0	-1.9	6.63E-01		
LCN6	5.9	1.0	1.3	-4.5	1.09E-04	3.5	-1.7	2.52E-01		
HOPX	12.4	1.0	2.7	-4.6	2.18E-02	5.8	-2.1	5.87E-02		
DLK1	9.4	1.0	2.0	-4.7	7.61E-03	7.6	-1.2	2.18E-01		
AQP4	2.6	1.0	0.5	-5.1	1.59E-04	0.9	-2.9	5.22E-02		
IL1RL1	2.0	1.0	0.4	-5.5	2.60E-02	2.8	1.4	1.07E-01		
TUBA3D	30.8	1.0	4.9	-6.3	3.21E-05	31.3	1.0	2.62E-03	V	V
TUBA3E	24.8	1.0	3.8	-6.5	1.07E-04	21.8	-1.1	3.91E-03		V
MYH6	522.6	1.0	78.5	-6.7	6.18E-04	95.7	-5.5	3.97E-01		
CA14	3.7	1.0	0.5	-7.2	2.79E-04	1.0	-3.8	2.69E-01		
DHRS7C	14.0	1.0	1.6	-8.9	7.94E-03	5.0	-2.8	2.42E-02		V

Supplemental Table S13. mRNAs abnormally expressed with heart failure but normalized* with LVAD support

mRNA	NF (RPKM+0.1)	ICM pre-LVAD		ICM post-LVAD	
		Fold Change	P Value	Fold Change	P Value†
RBP4	0.5	5.1	3.89E-03	-1.0	1.15E-02
TUSC5	0.3	3.6	8.96E-03	1.1	2.11E-02
LMO2	2.4	1.7	4.00E-02	-1.1	2.43E-02
FAM102A	3.0	1.7	9.20E-04	1.1	1.75E-02
IRX3	9.6	1.7	4.30E-02	-1.0	1.93E-02
VAMP1	2.3	1.6	1.92E-02	1.0	2.40E-02
MUTED-TXNDC5	1.2	1.6	4.85E-02	-1.1	3.76E-03
NAB2	2.8	1.6	3.93E-03	1.0	2.34E-02
TCTN1	2.7	1.5	3.07E-02	1.0	3.84E-02
CHRNB1	1.6	1.5	1.31E-02	1.0	1.72E-02
GAB3	4.5	1.5	5.14E-03	1.1	1.22E-02
MED31	1.6	1.5	9.60E-04	1.1	1.66E-03
SIK2	4.7	1.5	3.03E-03	1.0	2.52E-03
KLHL13	2.5	1.5	8.20E-03	1.1	7.58E-04
MOSC1	2.5	1.5	4.36E-02	1.1	2.96E-02
ZNF467	1.6	1.5	2.95E-02	-1.0	2.44E-02
SORBS2	130.3	1.5	1.08E-02	1.1	3.88E-02
ABCA3	1.9	1.5	2.19E-03	1.1	3.62E-02
SRXN1	2.3	1.5	2.46E-03	-1.0	1.72E-02
PKD1	11.1	1.4	1.70E-03	1.1	4.73E-02
C10orf57	2.3	1.4	2.52E-03	1.0	4.51E-03
FAM69A	1.6	1.4	4.08E-02	-1.0	3.87E-02
SLC1A4	2.1	1.4	4.55E-02	-1.0	1.50E-02
C17orf59	2.8	1.4	2.94E-03	1.0	2.65E-03
C2CD2L	2.3	1.4	2.82E-06	1.0	1.51E-03
NAAA	3.0	1.4	6.49E-03	1.0	9.60E-03
PDE3B	1.7	1.4	3.87E-03	1.0	7.28E-03
PHF15	3.3	1.4	3.24E-03	-1.0	3.72E-02
GLS	4.9	1.4	2.34E-03	1.0	4.17E-02
TDRD7	2.2	1.4	3.32E-03	1.0	1.12E-02
GPRC5C	5.1	1.4	2.01E-03	1.0	1.72E-03
HIVEP2	3.1	1.4	1.91E-02	1.0	1.62E-02
CDKN2AIP	3.1	1.4	1.79E-03	1.0	7.52E-03
CLUAP1	4.4	1.4	1.28E-03	1.0	4.46E-03
MNT	1.7	1.4	1.60E-02	-1.0	3.27E-02
HSD17B12	13.5	1.4	2.17E-02	1.0	8.59E-03
PPT2	5.7	1.4	2.39E-04	1.0	2.19E-03
PIK3C2B	2.7	1.4	2.70E-02	-1.1	2.78E-02
NTN4	20.3	1.3	4.70E-03	-1.1	5.95E-03
BCOR	3.3	1.3	3.46E-03	-1.0	6.98E-03
TMEM127	17.4	1.3	1.38E-03	-1.1	1.66E-03
ADAR	11.9	1.3	3.18E-02	-1.1	4.80E-02

ORAI3	2.5	1.3	4.44E-02	-1.0	1.19E-02
NCAPD2	2.5	1.3	9.55E-03	-1.0	1.90E-02
NPTXR	3.0	1.3	2.71E-02	-1.1	4.43E-03
ZFP90	1.8	1.3	9.51E-03	-1.1	2.28E-02
DNASE2	4.6	1.3	3.17E-02	-1.1	2.47E-02
SYNPO	122.6	1.3	4.26E-03	-1.0	3.73E-02
PAM	126.8	1.3	1.54E-02	-1.1	5.49E-03
PIGT	42.0	1.3	1.15E-02	-1.1	1.59E-03
ATP2B1	1.7	1.3	3.98E-02	-1.1	4.68E-02
C12orf49	1.7	1.3	3.09E-02	-1.0	4.17E-02
YIPF5	3.6	1.3	1.21E-02	-1.1	2.62E-02
VPS33A	2.4	1.3	3.43E-03	-1.1	1.08E-03
ATP9A	4.8	1.3	1.09E-02	-1.1	7.05E-04
TOB1	13.2	1.3	4.98E-03	-1.1	2.38E-02
SRSF8	3.3	1.3	1.01E-02	-1.1	6.35E-03
C9orf125	10.8	1.3	1.29E-02	-1.1	1.25E-02
TAPBP	8.9	1.2	1.69E-02	-1.1	1.26E-02
GRN	35.2	1.2	4.24E-02	-1.1	3.62E-02
MTUS1	39.1	-1.3	1.22E-02	1.0	7.09E-03
C11orf67	30.5	-1.3	1.11E-02	-1.0	4.15E-02
CBFA2T3	3.1	-1.3	8.53E-03	1.0	2.00E-02
C1orf183	3.1	-1.4	3.82E-02	1.0	5.19E-03
COL27A1	4.1	-1.5	1.39E-02	-1.1	3.76E-02
LIFR	4.8	-1.5	1.46E-02	1.0	3.74E-02
SLC25A30	29.6	-1.5	2.66E-02	1.0	2.85E-02
MYL7	526.1	-2.9	2.06E-02	-1.1	1.45E-03

mRNA	NF (PMMR+0.1)	NICM pre-LVAD		NICM post-LVAD	
		Fold Change	P Value	Fold Change	P Value[†]
SCN2B	3.3	2.4	2.62E-05	1.0	6.36E-04
BMP6	1.1	2.1	1.71E-02	-1.0	2.40E-02
SELP	1.3	1.9	7.15E-03	1.1	1.13E-02
LTC4S	1.3	1.8	9.36E-03	1.1	1.78E-02
C20orf26	5.4	1.8	5.25E-04	-1.1	8.40E-04
NAP1L2	2.5	1.7	1.69E-03	-1.0	1.31E-03
VEGFC	1.8	1.7	1.11E-02	1.1	8.11E-03
MYOCD	4.1	1.7	1.51E-03	1.1	4.67E-03
C22orf25	8.0	1.6	4.50E-04	1.1	5.16E-03
TMEM231	1.9	1.6	6.73E-04	1.1	3.51E-03
C9orf9	1.9	1.6	1.68E-02	-1.1	5.92E-03
NAV1	8.2	1.6	4.67E-03	1.0	2.94E-03
TGFBI	13.8	1.6	1.12E-03	1.0	1.52E-02
AR	2.8	1.6	1.49E-03	-1.0	1.25E-02
KLHL13	2.5	1.5	1.66E-02	-1.1	7.11E-03
C14orf128	2.4	1.5	8.53E-05	1.0	1.23E-02
NHSL1	4.6	1.5	1.59E-03	-1.1	1.08E-04
NRIP2	1.3	1.5	1.56E-02	-1.1	6.48E-03

HSPA4L	2.4	1.5	5.58E-04	1.0	1.88E-03
GPRASP2	3.0	1.5	1.28E-03	1.1	1.47E-03
ANGPTL2	9.3	1.5	9.99E-03	-1.1	2.90E-04
ZNF415	4.2	1.5	1.10E-03	1.1	1.28E-02
SEMA5B	1.4	1.4	1.77E-02	-1.1	4.32E-02
CCDC141	8.5	1.4	9.43E-03	1.0	2.62E-02
GLRX	24.6	1.4	1.28E-03	1.0	2.75E-03
TRIM45	3.0	1.4	3.29E-02	-1.1	7.87E-03
WDR31	3.7	1.4	3.48E-02	-1.1	1.45E-03
FAM110B	4.2	1.4	4.07E-03	-1.0	2.90E-04
LEPROTL1	10.2	1.4	2.29E-03	-1.1	3.60E-03
NTN4	20.3	1.3	5.96E-03	-1.0	2.34E-03
DPCD	7.3	1.3	6.83E-03	-1.1	1.19E-02
SRXN1	2.3	1.3	1.92E-03	-1.1	6.64E-04
PIGT	42.0	1.3	2.75E-02	-1.1	3.17E-03
RAB7L1	2.3	1.3	2.25E-02	-1.0	7.15E-03
DOLK	2.6	1.3	6.88E-03	-1.1	1.84E-03
ARMCX6	7.9	1.2	3.22E-02	-1.1	2.39E-03
NPTXR	3.0	1.2	3.07E-02	-1.1	3.45E-03
GLRX2	7.0	-1.3	1.46E-02	1.1	4.97E-02
SSR3	20.8	-1.3	3.59E-03	1.1	4.97E-02
SLC7A6	14.3	-1.3	7.48E-03	1.1	4.26E-02
AKTIP	19.2	-1.4	5.41E-04	-1.0	4.07E-02
SLC29A2	5.6	-1.7	6.19E-07	1.0	6.16E-03
CSDC2	91.6	-1.9	6.16E-04	1.0	2.30E-02
FAM155B	9.1	-2.6	1.48E-03	1.1	9.34E-03
TUBA3D	30.8	-6.3	3.21E-05	1.0	2.62E-03

*Abnormal expression: > 1.2 fold change comparing to NF mean; normalization: normalized expression level to < 1.1 fold different from NF mean.

†Paired sample Wilcoxon signed rank test between ICM/NICM samples before and after LVAD support.

Table S14. Mean normalized read counts, fold change (compared to NF hearts mean value) and P values of lncRNAs that are differentially expressed in ICM LV samples

Transcript	NF mean (RPKM+0.1)	Fold Change (vs NF)	ICM pre-LVAD mean (RPKM+0.1)	Fold Change (vs NF)	P value (NF vs ICM)	ICM post-LVAD mean (RPKM+0.1)	Fold Change (vs NF)	P value (ICM pre vs post LVAD)	Normalized by LVAD	Improved by LVAD
n333955	0.3	1.0	13.8	43.6	1.93E-04	11.2	35.4	6.18E-01		
n337373	0.3	1.0	8.2	31.3	4.69E-04	7.6	29.0	8.68E-01		
n377672	0.1	1.0	1.5	26.5	4.41E-02	1.0	18.8	5.80E-01		
n411026	0.0	1.0	0.5	9.3	4.91E-02	0.1	2.4	1.26E-01		
n339730	0.1	1.0	1.1	9.0	1.59E-03	0.1	-1.0	4.88E-03	V	V
n384866	0.1	1.0	0.6	8.5	1.08E-02	0.7	10.0	7.45E-01		
n332777	0.2	1.0	1.2	7.4	4.51E-03	0.4	2.1	5.69E-02		
TCONS_00025161	0.3	1.0	2.0	7.0	1.57E-02	1.3	4.7	4.45E-01		
TCONS_00004738	0.1	1.0	0.5	6.9	2.38E-02	0.0	-5.8	2.29E-02		
n333422	0.1	1.0	0.4	6.4	4.61E-02	0.3	5.4	7.42E-01		
n379534	0.1	1.0	0.5	5.0	1.94E-02	0.3	2.8	1.84E-01		
n410031	0.1	1.0	0.6	4.8	6.37E-04	0.3	2.6	1.52E-01		
n341462	0.3	1.0	1.4	4.8	7.47E-04	1.5	5.2	8.44E-01		
TCONS_00017062	0.1	1.0	0.6	4.6	2.30E-02	0.2	1.2	4.30E-02		V
n341553	0.6	1.0	2.6	4.2	1.37E-02	1.4	2.3	7.33E-02		
TCONS_00006930	1.8	1.0	7.6	4.1	2.55E-02	8.2	4.4	8.69E-01		
TCONS_00017979	0.2	1.0	0.8	3.7	5.88E-03	0.2	-1.4	5.67E-03		
n378288	0.4	1.0	1.6	3.6	2.96E-03	0.7	1.6	4.24E-02		V
TCONS_00020932	0.2	1.0	0.8	3.5	7.19E-04	0.4	1.7	5.97E-02		
n406496	0.3	1.0	1.2	3.5	7.88E-04	1.0	3.0	6.15E-01		
n407157	0.3	1.0	1.0	3.5	1.02E-02	0.6	2.1	1.77E-01		
KCONS_00000469	0.3	1.0	1.0	3.4	1.29E-03	0.5	1.5	1.50E-02		V
n337060	5.9	1.0	18.3	3.1	1.06E-02	11.7	2.0	2.39E-01		
n341790	0.9	1.0	2.8	3.1	3.43E-02	2.0	2.2	4.66E-01		
n346428	0.2	1.0	0.6	3.1	3.14E-02	0.5	2.3	5.72E-01		
n383762	0.8	1.0	2.4	3.1	1.66E-02	2.3	2.9	5.41E-01		
n408065	0.1	1.0	0.2	3.0	2.09E-02	0.1	-1.0	3.39E-02	V	V
n339430	0.6	1.0	1.7	2.9	1.36E-02	1.7	2.8	9.47E-01		
n411621	0.3	1.0	0.8	2.9	2.13E-02	0.6	2.3	4.07E-01		
n341691	0.4	1.0	1.2	2.9	5.27E-03	1.0	2.4	4.27E-01		
n406989	1.7	1.0	4.9	2.9	2.39E-04	4.0	2.3	1.52E-01		
n346347	0.2	1.0	0.4	2.8	2.60E-02	0.4	2.3	4.52E-01		
TCONS_00018416	1.0	1.0	2.7	2.8	1.49E-02	2.5	2.6	7.88E-01		
n341129	0.1	1.0	0.2	2.8	1.60E-02	0.3	3.6	4.11E-01		
n378823	0.2	1.0	0.5	2.8	1.41E-02	0.2	1.2	6.33E-03		V
n337076	0.4	1.0	1.0	2.8	5.50E-03	0.4	1.2	7.03E-02		
TCONS_00017819	0.3	1.0	0.9	2.8	2.72E-02	0.3	-1.3	1.58E-03		
n340521	0.3	1.0	0.8	2.7	3.22E-02	0.6	2.0	3.47E-01		
TCONS_00005774	0.3	1.0	0.7	2.7	2.22E-02	0.4	1.4	8.43E-02		
n383704	0.2	1.0	0.5	2.7	3.07E-02	0.4	2.2	4.74E-01		
n382028	0.4	1.0	1.2	2.7	2.01E-02	0.9	2.1	2.25E-01		
TCONS_00026540	0.8	1.0	2.0	2.7	3.47E-02	1.3	1.8	3.24E-01		
n324208	0.5	1.0	1.4	2.7	1.49E-02	0.8	1.4	1.26E-01		
TCONS_00029250	0.2	1.0	0.5	2.6	1.87E-02	0.3	1.4	2.79E-02		V
n382899	0.4	1.0	1.1	2.6	3.45E-03	1.2	2.9	6.89E-01		
n339510	0.3	1.0	0.8	2.6	3.88E-03	0.6	2.1	3.96E-01		
n410010	0.8	1.0	2.1	2.6	4.70E-06	2.2	2.7	7.35E-01		
n333163	0.7	1.0	1.8	2.6	1.81E-03	1.4	2.0	3.01E-01		
TCONS_00002713	0.7	1.0	1.7	2.5	3.81E-03	1.5	2.2	4.27E-01		
n345386	11.2	1.0	28.3	2.5	3.68E-02	30.4	2.7	8.22E-01		
TCONS_00029729	0.4	1.0	1.0	2.5	8.48E-03	1.1	2.7	8.71E-01		
n335575	0.2	1.0	0.6	2.5	4.44E-02	0.5	1.9	3.88E-01		
n410853	0.8	1.0	1.9	2.5	2.33E-02	1.8	2.4	8.82E-01		
n341884	0.4	1.0	1.1	2.5	5.09E-04	0.9	2.0	3.81E-01		
n387441	0.4	1.0	1.0	2.5	1.27E-02	0.7	1.7	6.29E-02		
n338591	0.6	1.0	1.5	2.5	4.85E-05	0.9	1.5	1.87E-02		V
n342708	0.4	1.0	1.1	2.5	1.12E-02	0.7	1.5	9.33E-02		
n342389	0.9	1.0	2.3	2.5	1.70E-02	1.2	1.3	7.15E-02		
n411732	0.5	1.0	1.1	2.5	4.63E-02	1.0	2.1	6.37E-01		
n341327	0.3	1.0	0.7	2.5	4.53E-02	0.5	1.8	1.23E-01		
n339755	0.2	1.0	0.6	2.5	1.09E-02	0.4	1.9	3.86E-01		
KCONS_00003774	0.3	1.0	0.7	2.4	2.03E-02	0.5	1.8	1.72E-01		
n379915	0.4	1.0	0.9	2.4	3.52E-02	0.9	2.3	7.70E-01		
n338663	0.6	1.0	1.4	2.4	2.71E-02	1.2	2.2	7.67E-01		
KCONS_00000467	0.5	1.0	1.2	2.4	1.40E-04	0.5	1.0	3.48E-04	V	V
n334653	3.3	1.0	7.8	2.4	1.40E-02	5.6	1.7	3.30E-01		
n337754	0.7	1.0	1.5	2.4	8.58E-03	1.2	1.8	2.58E-01		
n382098	0.4	1.0	0.9	2.4	6.01E-03	0.9	2.4	9.03E-01		
n381758	1.0	1.0	2.3	2.3	1.16E-02	1.7	1.8	3.19E-01		
n338653	0.3	1.0	0.7	2.3	3.03E-02	0.4	1.4	1.38E-01		
n333054	3.2	1.0	7.5	2.3	1.21E-04	6.5	2.0	3.07E-01		
n378171	1.0	1.0	2.4	2.3	2.67E-02	2.5	2.4	9.35E-01		
n332341	0.4	1.0	0.9	2.3	3.67E-02	0.5	1.3	8.42E-02		
n335092	0.5	1.0	1.1	2.3	4.79E-02	0.5	1.1	1.27E-01		
n338834	1.5	1.0	3.5	2.3	3.21E-02	3.9	2.6	6.58E-01		
n332603	389.2	1.0	889.0	2.3	7.74E-06	776.1	2.0	4.55E-01		
n341425	0.6	1.0	1.5	2.3	4.29E-02	1.0	1.6	2.42E-01		
n338950	0.6	1.0	1.3	2.3	1.28E-02	1.7	2.9	4.55E-01		
n410736	0.8	1.0	1.7	2.2	6.12E-05	1.2	1.6	9.67E-02		

n341527	0.3	1.0	0.6	2.2	2.10E-02	0.4	1.4	8.11E-02		
n406227	1.9	1.0	4.2	2.2	9.72E-06	3.5	1.8	1.41E-01		
n340740	1.9	1.0	4.2	2.2	2.23E-02	3.1	1.6	3.90E-01		
n339682	1.9	1.0	4.1	2.2	3.38E-03	3.4	1.8	3.71E-01		
n387718	0.6	1.0	1.4	2.2	5.14E-03	1.3	2.0	6.58E-01		
n406919	0.5	1.0	1.2	2.2	2.61E-02	1.0	1.9	6.52E-01		
n326378	0.9	1.0	2.0	2.2	2.20E-02	1.4	1.6	2.57E-01		
n381928	0.3	1.0	0.6	2.2	5.99E-04	0.4	1.5	1.33E-01		
TCONS_00024663	1.2	1.0	2.5	2.2	4.72E-02	1.8	1.6	2.48E-01		
n340189	0.6	1.0	1.4	2.1	1.93E-03	1.0	1.5	3.92E-02		v
n381542	2.1	1.0	4.4	2.1	4.84E-02	2.8	1.4	2.63E-01		
n339627	0.4	1.0	0.8	2.1	2.35E-03	0.5	1.4	3.02E-02		v
n406465	0.4	1.0	0.9	2.1	1.73E-02	0.4	-1.0	2.90E-02	v	v
n337744	1.3	1.0	2.7	2.1	4.61E-02	2.8	2.1	9.75E-01		
n340062	2.0	1.0	4.3	2.1	1.30E-02	2.4	1.2	6.76E-02		
n340290	0.4	1.0	0.9	2.1	2.23E-02	0.9	2.0	8.73E-01		
TCONS_00019382	0.4	1.0	0.8	2.1	3.87E-02	0.4	1.2	7.78E-02		
n337821	0.6	1.0	1.3	2.1	4.04E-03	0.8	1.3	1.88E-03		v
n338998	0.5	1.0	1.0	2.1	2.02E-04	0.9	1.9	6.07E-01		
n410040	0.3	1.0	0.7	2.1	3.85E-02	0.6	1.9	7.77E-01		
n383738	0.4	1.0	0.9	2.0	5.53E-03	0.7	1.6	8.66E-02		
n333330	0.4	1.0	0.9	2.0	9.22E-03	0.4	-1.2	5.70E-02		
n337799	3.3	1.0	6.8	2.0	1.38E-04	5.0	1.5	4.75E-02		v
n407919	0.5	1.0	1.0	2.0	1.44E-03	0.8	1.7	4.93E-01		
n341789	0.8	1.0	1.6	2.0	2.27E-02	1.9	2.4	6.76E-01		
TCONS_00024235	2.2	1.0	4.4	2.0	9.29E-03	3.3	1.5	3.31E-01		
n339725	1.2	1.0	2.5	2.0	2.45E-02	1.8	1.5	2.13E-01		
n337221	0.4	1.0	0.9	2.0	2.41E-02	0.7	1.6	2.86E-01		
n336960	4.9	1.0	9.8	2.0	5.01E-03	6.2	1.3	6.27E-02		
n385443	7.8	1.0	15.4	2.0	8.75E-03	15.0	1.9	8.69E-01		
n405969	0.4	1.0	0.7	2.0	1.54E-03	0.4	1.2	4.72E-02		v
n332611	6.6	1.0	13.1	2.0	7.54E-03	14.7	2.2	6.61E-01		
n407534	1.8	1.0	3.6	2.0	1.85E-02	3.1	1.7	6.10E-01		
n340820	0.3	1.0	0.5	2.0	9.06E-03	0.5	2.0	9.89E-01		
n407967	0.8	1.0	1.6	2.0	2.97E-02	0.8	1.0	7.27E-02		
n341167	7.3	1.0	14.2	2.0	1.16E-03	12.4	1.7	3.43E-01		
n339905	1.2	1.0	2.3	1.9	4.76E-02	2.2	1.9	8.75E-01		
n334841	2.0	1.0	3.9	1.9	4.43E-03	3.3	1.6	2.97E-01		
TCONS_00016755	0.3	1.0	0.6	1.9	3.66E-02	0.5	1.6	5.60E-01		
n332847	3.7	1.0	7.2	1.9	4.51E-02	6.9	1.9	8.35E-01		
n341582	0.3	1.0	0.6	1.9	3.07E-02	0.5	1.4	2.67E-01		
TCONS_00027828	0.3	1.0	0.6	1.9	9.70E-03	0.5	1.6	4.68E-01		
n338223	1.8	1.0	3.5	1.9	2.47E-03	3.2	1.7	5.90E-01		
TCONS_00001044	1.4	1.0	2.6	1.9	1.51E-02	2.0	1.5	4.13E-01		
TCONS_00017676	0.3	1.0	0.6	1.9	2.43E-02	0.6	1.7	6.73E-01		
n335699	2.2	1.0	4.2	1.9	3.40E-04	3.9	1.8	5.56E-01		
n385039	0.5	1.0	0.8	1.9	2.80E-03	0.8	1.8	7.07E-01		
n338387	1.6	1.0	3.0	1.9	6.79E-04	2.3	1.4	2.06E-01		
n410199	0.4	1.0	0.8	1.9	2.74E-02	0.7	1.7	5.79E-01		
n335661	1.4	1.0	2.7	1.9	6.28E-04	2.0	1.4	1.82E-01		
n379110	0.5	1.0	1.0	1.9	2.68E-04	0.7	1.4	1.19E-01		
n377799	1.0	1.0	1.8	1.9	1.15E-02	1.6	1.6	5.76E-01		
n341541	0.6	1.0	1.2	1.9	3.08E-03	0.9	1.4	4.60E-02		v
n337722	0.4	1.0	0.8	1.9	2.00E-02	0.7	1.7	7.04E-01		
n344724	0.6	1.0	1.0	1.9	5.13E-04	0.8	1.4	5.78E-02		
n340499	0.6	1.0	1.2	1.8	6.41E-03	0.6	-1.0	1.92E-02	v	v
n406604	0.7	1.0	1.2	1.8	3.37E-02	1.0	1.5	1.94E-01		
n407746	1.3	1.0	2.4	1.8	6.24E-04	1.7	1.3	1.11E-02		v
n410935	0.6	1.0	1.2	1.8	1.14E-02	0.6	-1.1	5.23E-02		
n339210	0.5	1.0	0.9	1.8	1.63E-02	0.8	1.8	9.42E-01		
n410723	2.4	1.0	4.5	1.8	7.28E-05	3.9	1.6	1.56E-01		
n335708	7.1	1.0	12.9	1.8	1.66E-02	11.1	1.6	5.04E-01		
n408308	3.5	1.0	6.4	1.8	1.37E-05	5.6	1.6	3.28E-01		
n378771	0.5	1.0	0.9	1.8	2.20E-02	0.6	1.2	7.90E-02		
n340547	2.3	1.0	4.1	1.8	7.22E-03	4.9	2.1	5.07E-01		
n344814	3.5	1.0	6.3	1.8	2.90E-02	5.4	1.5	1.52E-01		
n340649	2.0	1.0	3.5	1.8	1.84E-03	3.5	1.8	8.52E-01		
n408017	0.8	1.0	1.4	1.8	2.70E-03	1.2	1.6	4.07E-01		
n407412	0.8	1.0	1.5	1.8	1.16E-02	1.1	1.3	3.03E-03		v
n341189	2.1	1.0	3.8	1.8	4.70E-03	2.4	1.1	3.74E-02		v
TCONS_00010940	1.0	1.0	1.8	1.8	4.02E-02	1.7	1.7	5.46E-01		
n386148	1.3	1.0	2.2	1.8	4.85E-04	1.6	1.3	1.36E-02		v
n335721	12.8	1.0	22.8	1.8	3.37E-02	34.0	2.6	1.93E-01		
n405970	1.3	1.0	2.2	1.8	1.37E-02	2.0	1.6	6.93E-01		
KCONS_00003555	0.7	1.0	1.2	1.8	1.78E-02	1.1	1.6	5.48E-01		
n382693	0.4	1.0	0.7	1.8	2.30E-02	0.7	1.7	8.42E-01		
n335674	2.3	1.0	4.0	1.8	1.94E-02	4.0	1.7	9.62E-01		
n339097	3.2	1.0	5.7	1.8	1.50E-02	5.0	1.5	4.92E-01		
n335608	1.1	1.0	1.9	1.8	3.43E-02	1.4	1.3	1.82E-01		
n407998	0.8	1.0	1.5	1.8	1.03E-02	1.1	1.3	2.33E-01		
n337537	2.0	1.0	3.5	1.8	7.31E-03	2.0	-1.0	6.49E-02		
n384416	2.0	1.0	3.5	1.8	1.72E-03	2.9	1.5	1.34E-01		
n338524	1.8	1.0	3.1	1.7	1.60E-03	2.5	1.4	1.47E-01		

n380504	1.1	1.0	1.9	1.7	2.38E-02	1.7	1.6	7.00E-01		
TCONS_00001037	0.5	1.0	0.9	1.7	3.17E-02	0.9	1.6	8.17E-01		
n385202	0.8	1.0	1.4	1.7	9.60E-03	1.4	1.7	7.08E-01		
n411677	0.7	1.0	1.3	1.7	1.25E-02	1.0	1.3	2.88E-02		
n410692	2.6	1.0	4.5	1.7	2.23E-02	4.1	1.6	6.21E-01		
n335515	1.0	1.0	1.7	1.7	1.32E-02	0.9	-1.1	1.28E-02	∨	∨
KCONS_00003428	0.7	1.0	1.2	1.7	1.76E-02	1.0	1.4	2.09E-01		
n335242	2.2	1.0	3.9	1.7	1.00E-02	3.2	1.4	3.34E-01		
n386687	1.0	1.0	1.8	1.7	1.82E-02	1.7	1.6	8.04E-01		
n338221	1.0	1.0	1.7	1.7	1.54E-02	1.5	1.5	4.34E-01		
n339852	0.9	1.0	1.5	1.7	4.45E-02	1.5	1.7	9.99E-01		
n385212	3.5	1.0	6.0	1.7	3.38E-02	5.4	1.5	5.38E-01		
n342264	0.5	1.0	0.8	1.7	2.89E-03	0.8	1.7	8.94E-01		
TCONS_00024664	1.0	1.0	1.7	1.7	4.20E-02	1.4	1.4	4.32E-01		
TCONS_00025781	1.3	1.0	2.3	1.7	2.01E-02	1.8	1.3	1.09E-01		
n407523	1.7	1.0	3.0	1.7	1.84E-02	2.6	1.5	3.81E-01		
n340934	1.6	1.0	2.8	1.7	1.64E-02	2.3	1.4	4.52E-01		
n335614	44.9	1.0	76.3	1.7	1.07E-03	67.2	1.5	1.97E-01		
n335618	21.1	1.0	35.8	1.7	4.60E-02	33.7	1.6	7.11E-01		
n410153	0.8	1.0	1.3	1.7	3.21E-03	1.1	1.4	6.82E-02		
n382658	1.0	1.0	1.7	1.7	2.90E-02	1.7	1.7	9.97E-01		
n407776	3.7	1.0	6.2	1.7	6.49E-03	5.0	1.4	2.44E-01		
n406597	1.9	1.0	3.2	1.7	2.53E-02	2.1	1.1	4.49E-02	∨	∨
n344464	2.5	1.0	4.2	1.7	1.96E-02	3.2	1.3	6.96E-02		
n339032	0.9	1.0	1.5	1.7	3.57E-02	1.1	1.3	2.19E-01		
n382902	1.4	1.0	2.3	1.7	3.57E-02	1.7	1.3	2.19E-01		
n381725	13.9	1.0	23.3	1.7	1.15E-02	15.6	1.1	1.27E-02		∨
n377862	0.4	1.0	0.6	1.7	2.82E-02	0.7	1.9	3.21E-01		
n410146	0.5	1.0	0.9	1.7	2.08E-02	0.6	1.2	7.28E-02		
TCONS_00017978	2.6	1.0	4.4	1.7	3.41E-02	3.3	1.3	6.41E-02		
n337663	0.5	1.0	0.9	1.7	1.59E-02	0.6	1.2	1.21E-02		∨
n409697	4.9	1.0	8.1	1.7	1.22E-05	6.5	1.3	1.48E-02		
n346481	0.6	1.0	1.0	1.7	2.76E-02	0.7	1.2	2.89E-02		∨
n386343	2.7	1.0	4.4	1.7	2.05E-03	3.6	1.3	6.27E-02		
n338632	0.4	1.0	0.7	1.6	1.46E-02	0.8	1.9	5.99E-01		
n410210	2.5	1.0	4.1	1.6	1.74E-02	3.7	1.5	5.81E-01		
n333506	2.1	1.0	3.4	1.6	6.94E-03	4.0	2.0	9.53E-02		
n341454	7.5	1.0	12.3	1.6	3.44E-03	11.5	1.5	5.46E-01		
n407227	7.9	1.0	13.0	1.6	1.66E-03	10.3	1.3	5.11E-02		
n379599	2.9	1.0	4.7	1.6	5.28E-04	4.5	1.6	6.99E-01		
n408884	3.3	1.0	5.4	1.6	2.35E-02	4.8	1.4	5.92E-01		
n342847	8.7	1.0	14.3	1.6	4.05E-04	13.2	1.5	6.25E-01		
n337828	0.4	1.0	0.6	1.6	3.77E-02	0.6	1.5	7.24E-01		
n386598	0.9	1.0	1.5	1.6	4.70E-02	0.9	-1.0	8.36E-02		
n341120	0.6	1.0	1.0	1.6	1.42E-02	0.6	1.1	3.58E-02	∨	∨
TCONS_00008328	1.3	1.0	2.2	1.6	3.04E-02	1.4	1.1	4.95E-02	∨	∨
n406843	1.4	1.0	2.3	1.6	6.04E-03	1.6	1.1	9.73E-03		∨
n340087	0.9	1.0	1.5	1.6	3.05E-02	1.6	1.7	8.22E-01		
n378108	0.9	1.0	1.5	1.6	3.11E-02	1.3	1.4	6.22E-01		
n384394	0.8	1.0	1.3	1.6	4.45E-02	1.1	1.4	4.65E-01		
n339699	1.4	1.0	2.3	1.6	2.16E-02	1.8	1.3	2.18E-01		
n341644	4.9	1.0	7.9	1.6	1.65E-03	7.2	1.5	3.30E-01		
TCONS_00025708	3.1	1.0	4.9	1.6	2.35E-04	5.1	1.7	7.22E-01		
n332613	1.2	1.0	1.9	1.6	1.11E-03	1.9	1.6	7.79E-01		
n346209	1.6	1.0	2.6	1.6	3.68E-02	1.5	-1.1	1.03E-02	∨	∨
n410544	0.7	1.0	1.1	1.6	3.34E-02	0.5	-1.5	2.25E-02		
n387632	1.2	1.0	1.9	1.6	3.93E-02	1.8	1.6	9.36E-01		
n341045	2.1	1.0	3.4	1.6	4.13E-03	2.5	1.2	8.89E-02		
n335593	3.3	1.0	5.3	1.6	3.51E-02	5.3	1.6	9.84E-01		
n406636	0.7	1.0	1.1	1.6	2.53E-02	1.0	1.4	5.09E-01		
n406454	0.5	1.0	0.7	1.6	7.98E-03	1.0	2.2	2.04E-01		
n386047	1.0	1.0	1.5	1.6	9.23E-03	1.1	1.2	1.15E-01		
n332409	3.8	1.0	6.1	1.6	1.68E-03	4.8	1.2	4.27E-02		
n383211	0.9	1.0	1.5	1.6	4.12E-03	1.7	1.8	5.47E-01		
n339518	0.5	1.0	0.8	1.6	3.33E-02	0.5	1.1	9.32E-02		
n410165	2.2	1.0	3.5	1.6	3.04E-02	2.7	1.2	4.07E-02		
n406809	0.6	1.0	1.0	1.6	1.90E-02	0.7	1.1	1.36E-01		
n411100	0.9	1.0	1.5	1.6	4.17E-02	1.5	1.6	9.74E-01		
n410131	0.7	1.0	1.0	1.6	4.15E-02	1.1	1.7	5.63E-01		
n385278	24.7	1.0	39.1	1.6	7.16E-05	38.5	1.6	8.37E-01		
n409227	1.2	1.0	1.9	1.6	1.63E-02	1.7	1.5	6.11E-01		
n410530	3.9	1.0	6.2	1.6	2.88E-02	6.3	1.6	9.18E-01		
n335628	7.8	1.0	12.3	1.6	1.23E-02	12.2	1.6	9.43E-01		
n339643	1.6	1.0	2.4	1.6	2.73E-02	2.5	1.6	9.46E-01		
n407077	1.1	1.0	1.8	1.6	2.97E-02	1.3	1.1	1.06E-01		
n381786	5.2	1.0	8.2	1.6	1.00E-02	7.2	1.4	3.55E-01		
n345418	0.8	1.0	1.3	1.6	2.65E-03	1.1	1.3	6.23E-02		
n336952	0.8	1.0	1.2	1.6	1.59E-02	0.8	-1.0	1.02E-01		
n340788	2.2	1.0	3.4	1.6	6.78E-05	2.8	1.3	1.10E-01		
n408050	8.0	1.0	12.5	1.6	8.46E-03	19.2	2.4	1.20E-01		
n339180	3.3	1.0	5.1	1.6	2.88E-04	4.1	1.2	2.21E-02		
n338422	2.6	1.0	4.0	1.6	1.25E-02	3.5	1.4	4.27E-01		
n341889	1.5	1.0	2.3	1.6	4.42E-02	1.9	1.3	2.12E-01		
n382995	6.0	1.0	9.3	1.6	6.08E-04	8.0	1.3	2.41E-01		

TCONS_00027439	0.7	1.0	1.0	1.6	1.88E-02	0.7	1.0	2.67E-03	√	√
n342577	3.8	1.0	5.9	1.5	1.46E-02	5.4	1.4	5.91E-01		
n343020	1.6	1.0	2.4	1.5	2.87E-02	1.9	1.2	2.59E-01		
n342817	4.1	1.0	6.3	1.5	3.83E-06	6.0	1.5	7.41E-02		
n340294	2.7	1.0	4.1	1.5	3.68E-02	3.5	1.3	1.82E-01		
n407400	1.3	1.0	2.0	1.5	4.86E-03	1.4	1.1	4.95E-02		√
n408905	2.5	1.0	3.9	1.5	5.77E-03	2.8	1.1	3.22E-02		√
n410128	3.7	1.0	5.7	1.5	4.46E-03	5.5	1.5	7.65E-01		
n338122	0.5	1.0	0.8	1.5	1.68E-02	0.6	1.2	3.70E-01		
n407189	1.7	1.0	2.6	1.5	2.53E-02	1.8	1.0	7.89E-02		
n338902	1.8	1.0	2.7	1.5	3.06E-03	2.5	1.4	5.17E-01		
n410744	3.5	1.0	5.4	1.5	6.98E-03	4.1	1.2	7.14E-02		
n340248	1.8	1.0	2.8	1.5	4.36E-03	2.5	1.4	4.08E-01		
n406278	1.3	1.0	2.0	1.5	1.44E-03	1.6	1.2	4.71E-02		
n411618	0.8	1.0	1.3	1.5	1.45E-02	1.2	1.4	4.96E-01		
n341533	0.5	1.0	0.8	1.5	2.56E-02	0.8	1.5	7.28E-01		
n335642	5.3	1.0	8.1	1.5	4.94E-02	6.4	1.2	6.45E-02		
n409073	0.7	1.0	1.0	1.5	8.28E-04	0.8	1.2	1.68E-01		
n407843	0.9	1.0	1.3	1.5	1.37E-02	1.1	1.3	2.76E-01		
TCONS_00002935	2.3	1.0	3.6	1.5	1.23E-03	3.2	1.4	2.86E-01		
n409064	1.6	1.0	2.5	1.5	1.65E-03	1.9	1.2	6.33E-02		
n332941	5.3	1.0	8.1	1.5	2.24E-03	6.7	1.3	2.05E-01		
n337979	2.2	1.0	3.4	1.5	1.43E-03	3.3	1.5	7.77E-01		
n326361	5.7	1.0	8.6	1.5	6.36E-05	6.4	1.1	3.63E-03		√
n408096	1.7	1.0	2.6	1.5	3.71E-02	2.1	1.2	3.00E-01		
n339305	1.5	1.0	2.3	1.5	4.84E-04	2.0	1.3	2.42E-01		
n342574	1.4	1.0	2.1	1.5	2.23E-02	1.7	1.2	1.39E-01		
n381109	6.4	1.0	9.6	1.5	1.89E-03	12.2	1.9	1.28E-01		
n407212	0.6	1.0	0.9	1.5	2.51E-02	0.7	1.3	1.32E-01		
n340204	1.9	1.0	2.8	1.5	7.11E-03	3.1	1.7	3.93E-01		
n335717	6.0	1.0	9.0	1.5	6.03E-03	8.3	1.4	4.38E-01		
n342861	1.8	1.0	2.7	1.5	1.85E-02	2.4	1.3	3.24E-01		
n338971	5.5	1.0	8.3	1.5	1.63E-03	7.2	1.3	1.58E-01		
n377756	1.3	1.0	2.0	1.5	1.15E-03	1.9	1.4	5.43E-01		
n410583	0.5	1.0	0.7	1.5	4.20E-03	0.6	1.3	2.22E-01		
n337982	1.9	1.0	2.8	1.5	4.77E-02	2.5	1.3	6.55E-01		
n335650	3.9	1.0	5.8	1.5	1.45E-02	4.3	1.1	4.31E-02		
n409260	0.7	1.0	1.0	1.5	6.85E-04	0.9	1.3	3.11E-01		
n340921	3.1	1.0	4.6	1.5	4.36E-04	4.1	1.3	1.96E-01		
n341275	2.3	1.0	3.5	1.5	3.26E-03	3.5	1.5	9.91E-01		
n340531	8.9	1.0	13.1	1.5	1.97E-04	11.5	1.3	1.44E-01		
n410733	1.2	1.0	1.8	1.5	3.24E-03	1.4	1.2	2.15E-01		
n337872	1.2	1.0	1.8	1.5	1.66E-04	1.7	1.4	4.16E-01		
n340650	1.6	1.0	2.4	1.5	3.38E-03	2.8	1.7	1.58E-01		
n407822	1.3	1.0	1.9	1.5	4.35E-03	1.5	1.2	1.17E-01		
n384258	1.7	1.0	2.4	1.5	6.45E-03	1.7	1.0	2.68E-02	√	√
n334075	4.1	1.0	6.1	1.5	3.21E-02	6.2	1.5	9.13E-01		
n337793	3.2	1.0	4.7	1.5	4.82E-02	5.4	1.7	4.41E-01		
n340510	3.0	1.0	4.4	1.5	4.14E-02	3.1	1.1	1.35E-01		
n342788	10.0	1.0	14.7	1.5	8.79E-04	15.0	1.5	7.87E-01		
n338484	3.4	1.0	5.0	1.5	2.84E-02	5.0	1.5	9.92E-01		
n335594	1.9	1.0	2.8	1.5	5.00E-03	3.6	1.9	1.20E-01		
n405440	1.4	1.0	2.1	1.5	1.04E-02	2.2	1.5	7.18E-01		
n343053	1.9	1.0	2.8	1.5	3.31E-03	3.3	1.7	2.94E-01		
n339967	2.5	1.0	3.6	1.5	4.00E-04	3.4	1.4	4.71E-01		
n335592	14.5	1.0	21.2	1.5	1.02E-03	16.2	1.1	4.15E-02		
n408354	3.1	1.0	4.6	1.5	1.57E-02	4.5	1.4	8.94E-01		
n339188	0.8	1.0	1.2	1.5	2.87E-02	0.9	1.2	9.02E-02		
n405879	0.5	1.0	0.7	1.5	4.77E-02	0.7	1.4	8.16E-01		
n406590	9.4	1.0	13.7	1.5	4.43E-03	11.1	1.2	1.10E-01		
n410616	4.0	1.0	5.9	1.5	1.77E-03	4.8	1.2	1.66E-02		
n338043	2.9	1.0	4.3	1.5	2.34E-02	4.0	1.4	5.76E-01		
n410030	4.1	1.0	5.9	1.5	3.63E-02	4.5	1.1	9.60E-02		
n335648	28.3	1.0	41.1	1.5	3.34E-02	41.8	1.5	9.27E-01		
n341097	0.5	1.0	0.7	1.5	1.89E-02	0.6	1.2	6.80E-02		
n342731	6.0	1.0	8.7	1.4	3.30E-04	6.8	1.1	3.15E-02		
n410471	13.1	1.0	18.9	1.4	8.29E-03	14.4	1.1	1.58E-01		
n342381	1.3	1.0	1.9	1.4	1.81E-03	1.7	1.3	3.58E-01		
n407986	4.5	1.0	6.5	1.4	1.98E-03	6.4	1.4	7.88E-01		
n339355	11.4	1.0	16.5	1.4	6.39E-03	13.1	1.1	7.18E-02		
n342280	0.6	1.0	0.9	1.4	3.45E-02	0.8	1.4	7.27E-01		
n407837	5.6	1.0	8.1	1.4	7.94E-04	7.4	1.3	4.96E-01		
n410133	2.0	1.0	2.9	1.4	1.08E-02	2.2	1.1	7.55E-03	√	√
n340651	0.5	1.0	0.7	1.4	4.68E-02	0.7	1.3	6.84E-01		
TCONS_00025146	1.1	1.0	1.6	1.4	6.00E-03	1.8	1.6	2.94E-01		
n410604	31.3	1.0	45.1	1.4	2.56E-06	45.2	1.4	9.72E-01		
n411752	3.8	1.0	5.5	1.4	5.57E-05	5.0	1.3	7.82E-02		
n407939	1.3	1.0	1.8	1.4	2.14E-02	1.5	1.2	1.72E-01		
n342880	3.0	1.0	4.3	1.4	8.82E-03	3.1	1.1	4.01E-03	√	√
n339680	4.3	1.0	6.2	1.4	1.86E-02	6.1	1.4	8.67E-01		
n410166	2.3	1.0	3.3	1.4	1.95E-03	2.6	1.1	1.59E-01		
n340631	3.1	1.0	4.5	1.4	2.54E-03	3.1	-1.0	3.44E-02	√	√
n341171	1.4	1.0	1.9	1.4	1.63E-03	1.8	1.3	4.08E-01		
n338162	13.2	1.0	18.8	1.4	7.84E-03	20.7	1.6	5.09E-01		

n407859	1.7	1.0	2.4	1.4	1.34E-02	2.0	1.2	4.49E-02		
n410004	2.0	1.0	2.8	1.4	1.38E-03	2.9	1.5	6.94E-01		
n338578	1.1	1.0	1.6	1.4	1.61E-02	1.4	1.3	2.33E-01		
n342855	19.0	1.0	27.0	1.4	6.07E-03	24.6	1.3	4.68E-01		
n338213	3.1	1.0	4.4	1.4	5.91E-03	3.4	1.1	2.08E-02		
n410549	13.5	1.0	19.2	1.4	1.25E-02	15.9	1.2	1.02E-01		
n339622	1.6	1.0	2.2	1.4	6.43E-04	1.9	1.2	9.91E-02		
n410077	3.1	1.0	4.4	1.4	3.72E-02	3.0	-1.0	1.03E-02	√	√
n341057	1.9	1.0	2.7	1.4	9.62E-04	3.0	1.6	4.65E-01		
n411757	2.6	1.0	3.7	1.4	1.52E-02	2.9	1.1	4.97E-02		
n381351	2.2	1.0	3.2	1.4	7.55E-04	2.5	1.1	4.11E-04		
n407022	2.6	1.0	3.6	1.4	3.64E-02	3.6	1.4	9.53E-01		
n406646	3.9	1.0	5.5	1.4	1.42E-02	5.2	1.3	4.77E-01		
n335585	5.9	1.0	8.4	1.4	3.11E-02	10.7	1.8	3.29E-02		
n342184	2.3	1.0	3.2	1.4	7.44E-03	2.9	1.3	3.00E-01		
n410586	9.7	1.0	13.6	1.4	1.96E-03	13.7	1.4	9.42E-01		
n339736	1.1	1.0	1.5	1.4	8.38E-03	1.6	1.4	8.45E-01		
n341339	13.9	1.0	19.7	1.4	2.08E-02	17.1	1.2	3.73E-01		
n407184	1.7	1.0	2.3	1.4	5.32E-03	2.2	1.3	5.39E-01		
n384227	6.3	1.0	8.8	1.4	4.03E-03	7.5	1.2	1.76E-01		
n342697	28.2	1.0	39.8	1.4	1.37E-02	35.5	1.3	2.87E-01		
n387393	1.1	1.0	1.5	1.4	4.89E-03	1.3	1.2	2.17E-01		
n340977	1.3	1.0	1.8	1.4	1.31E-02	1.8	1.4	9.36E-01		
n410117	3.4	1.0	4.8	1.4	2.10E-02	4.6	1.4	8.04E-01		
n407023	2.2	1.0	3.0	1.4	1.98E-02	2.3	1.1	1.44E-01		
n338008	0.8	1.0	1.1	1.4	2.50E-04	1.0	1.3	1.65E-01		
n339841	3.3	1.0	4.6	1.4	1.32E-02	3.1	-1.1	1.99E-02	√	√
n408079	2.6	1.0	3.7	1.4	5.70E-03	2.6	1.0	3.25E-02	√	√
n406564	1.9	1.0	2.6	1.4	2.54E-02	1.9	1.0	4.38E-02	√	√
n410486	0.5	1.0	0.7	1.4	1.13E-02	0.5	1.1	3.59E-02		
n333458	4.7	1.0	6.5	1.4	2.80E-02	6.4	1.4	9.11E-01		
n341491	1.6	1.0	2.3	1.4	3.04E-02	2.1	1.3	5.69E-01		
n384298	7.2	1.0	10.0	1.4	2.85E-03	11.6	1.6	2.20E-01		
n337816	2.1	1.0	3.0	1.4	2.15E-02	3.5	1.6	2.98E-01		
n407775	1.8	1.0	2.5	1.4	4.73E-02	2.6	1.5	5.90E-01		
n377761	3.5	1.0	4.9	1.4	6.26E-04	3.8	1.1	2.40E-02		
n384770	2.1	1.0	2.9	1.4	8.56E-03	2.4	1.2	1.42E-01		
n335646	6.3	1.0	8.8	1.4	1.94E-03	8.0	1.3	4.18E-01		
n342504	2.5	1.0	3.5	1.4	6.55E-03	3.3	1.3	4.42E-01		
n333474	8.6	1.0	12.0	1.4	9.21E-03	10.8	1.2	3.34E-01		
n341828	1.8	1.0	2.5	1.4	6.73E-03	2.3	1.3	4.64E-01		
n342328	1.2	1.0	1.7	1.4	2.77E-02	1.7	1.4	8.77E-01		
n382060	0.7	1.0	1.0	1.4	3.26E-02	1.0	1.4	9.62E-01		
n406342	3.2	1.0	4.5	1.4	1.84E-04	4.5	1.4	8.55E-01		
n383770	2.4	1.0	3.3	1.4	4.71E-03	3.3	1.4	9.67E-01		
n340297	140.6	1.0	195.0	1.4	4.62E-02	136.3	-1.0	3.95E-02	√	√
n409197	3.6	1.0	5.0	1.4	2.53E-02	6.3	1.7	5.15E-02		
n338898	1.3	1.0	1.8	1.4	3.68E-02	1.5	1.2	3.42E-01		
n338920	0.8	1.0	1.1	1.4	4.14E-03	1.0	1.2	2.64E-01		
n337724	0.8	1.0	1.2	1.4	3.60E-02	0.9	1.1	4.73E-02		
n336000	10.4	1.0	14.3	1.4	3.28E-02	22.4	2.2	1.80E-01		
n378971	3.6	1.0	5.0	1.4	3.86E-03	5.0	1.4	9.28E-01		
n383242	1.1	1.0	1.5	1.4	5.12E-03	1.1	1.1	7.60E-02		
n411041	1.0	1.0	1.4	1.4	3.24E-03	1.0	-1.0	1.67E-02	√	√
n339111	9.6	1.0	13.2	1.4	4.23E-03	12.3	1.3	4.71E-01		
n408128	2.6	1.0	3.6	1.4	6.21E-03	3.7	1.4	8.37E-01		
n345527	0.4	1.0	0.6	1.4	4.84E-02	0.6	1.3	6.00E-01		
n340632	1.3	1.0	1.8	1.4	3.50E-02	1.5	1.1	1.17E-01		
n409332	4.8	1.0	6.6	1.4	1.72E-02	5.6	1.2	8.68E-02		
n405689	0.6	1.0	0.8	1.4	1.35E-02	0.6	1.2	4.40E-01		
n407454	2.5	1.0	3.4	1.4	3.80E-02	3.4	1.4	9.20E-01		
n407781	1.6	1.0	2.2	1.4	2.68E-03	1.9	1.2	4.49E-02		
n342244	5.0	1.0	6.8	1.4	1.60E-03	5.5	1.1	7.13E-02		
n408227	8.2	1.0	11.2	1.4	1.85E-03	10.6	1.3	4.03E-01		
n379293	1.2	1.0	1.6	1.4	4.56E-02	1.5	1.3	6.29E-01		
n338175	4.9	1.0	6.7	1.4	4.49E-02	5.5	1.1	3.40E-01		
n345231	1.5	1.0	2.0	1.4	2.75E-02	2.1	1.4	7.32E-01		
n407183	6.7	1.0	9.1	1.4	2.74E-03	8.4	1.3	4.94E-01		
n406444	28.1	1.0	38.2	1.4	5.49E-03	37.4	1.3	7.80E-01		
n410790	0.7	1.0	0.9	1.4	2.20E-02	0.9	1.3	7.08E-01		
n408019	2.1	1.0	2.9	1.4	2.21E-03	2.7	1.3	5.82E-01		
n341240	2.8	1.0	3.8	1.4	3.10E-03	3.8	1.4	7.66E-01		
n339126	7.9	1.0	10.7	1.4	4.78E-02	8.6	1.1	1.95E-01		
n407074	8.3	1.0	11.3	1.4	8.21E-04	11.0	1.3	7.44E-01		
n342476	3.4	1.0	4.6	1.4	3.88E-03	4.6	1.4	9.88E-01		
n380806	1.3	1.0	1.8	1.4	7.13E-03	1.4	1.0	9.29E-02		
n339467	1.3	1.0	1.8	1.4	7.32E-03	1.4	1.1	1.30E-01		
n339763	2.3	1.0	3.2	1.4	4.47E-03	3.0	1.3	5.85E-01		
n340647	1.7	1.0	2.4	1.4	2.62E-03	2.4	1.4	8.00E-01		
n407060	4.0	1.0	5.4	1.4	3.88E-02	4.8	1.2	5.03E-01		
n339557	5.9	1.0	7.9	1.4	1.67E-03	7.1	1.2	8.28E-02		
n411756	10.6	1.0	14.3	1.3	1.41E-02	15.7	1.5	4.27E-01		
n341486	2.7	1.0	3.7	1.3	6.67E-03	3.3	1.2	4.21E-01		
n341043	12.0	1.0	16.2	1.3	4.25E-03	13.7	1.1	6.05E-02		

n341827	2.0	1.0	2.7	1.3	2.26E-03	2.4	1.2	4.86E-01		
n342335	3.4	1.0	4.6	1.3	9.34E-04	4.3	1.3	4.97E-01		
n409147	2.3	1.0	3.1	1.3	1.77E-04	2.4	1.0	1.94E-04		
n340059	0.9	1.0	1.2	1.3	1.77E-02	0.9	1.0	2.09E-02		
n335670	8.1	1.0	10.8	1.3	6.54E-03	10.5	1.3	7.74E-01		
n408249	7.0	1.0	9.4	1.3	1.58E-02	8.7	1.2	2.51E-01		
n335609	65.0	1.0	87.1	1.3	3.14E-03	80.4	1.2	3.94E-01		
n408302	5.0	1.0	6.7	1.3	3.70E-02	5.5	1.1	6.24E-02		
n340760	2.6	1.0	3.5	1.3	3.77E-03	3.0	1.1	3.71E-02		
n410523	0.9	1.0	1.2	1.3	7.20E-03	1.2	1.4	8.50E-01		
n339262	2.3	1.0	3.1	1.3	3.35E-02	3.1	1.3	9.65E-01		
n407017	4.3	1.0	5.8	1.3	8.45E-03	5.0	1.2	1.75E-01		
n342319	3.8	1.0	5.1	1.3	1.96E-02	4.3	1.1	2.30E-01		
n382329	3.4	1.0	4.6	1.3	3.97E-02	3.8	1.1	1.38E-01		
n409132	1.3	1.0	1.8	1.3	1.80E-02	1.9	1.4	7.14E-01		
n386063	2.2	1.0	3.0	1.3	3.50E-02	2.5	1.1	2.55E-01		
n335709	15.2	1.0	20.2	1.3	3.28E-03	19.4	1.3	6.40E-01		
n409315	7.0	1.0	9.3	1.3	4.36E-02	8.2	1.2	2.73E-01		
n406511	1.0	1.0	1.3	1.3	3.82E-02	0.8	-1.1	1.56E-02		
n407156	30.3	1.0	40.2	1.3	1.97E-02	43.1	1.4	6.79E-01		
n409333	10.8	1.0	14.3	1.3	4.37E-02	13.1	1.2	4.96E-01		
n410677	16.6	1.0	22.0	1.3	4.28E-02	17.2	1.0	5.21E-02		
n380573	0.7	1.0	0.9	1.3	2.95E-03	0.8	1.1	5.43E-02		
n379365	10.2	1.0	13.5	1.3	1.52E-04	12.9	1.3	4.65E-01		
n337985	0.8	1.0	1.1	1.3	1.95E-02	1.0	1.2	5.30E-01		
n407977	11.8	1.0	15.6	1.3	4.18E-03	15.0	1.3	6.46E-01		
n405638	0.9	1.0	1.2	1.3	3.42E-02	1.2	1.3	8.21E-01		
n411750	6.6	1.0	8.7	1.3	6.26E-03	6.6	1.0	1.39E-02		
n407178	21.1	1.0	27.8	1.3	6.33E-03	26.4	1.2	5.27E-01		
n338183	1.1	1.0	1.5	1.3	3.30E-02	1.6	1.4	5.41E-01		
n339370	0.6	1.0	0.8	1.3	3.14E-02	0.8	1.3	8.04E-01		
n406191	1.7	1.0	2.3	1.3	3.29E-02	1.8	1.0	6.19E-02		
n410038	2.1	1.0	2.7	1.3	2.51E-02	2.9	1.4	5.65E-01		
n409289	62.4	1.0	81.7	1.3	7.79E-04	76.6	1.2	2.33E-01		
n406245	3.6	1.0	4.7	1.3	2.40E-02	3.4	-1.1	9.59E-02		
n340374	1.9	1.0	2.5	1.3	9.68E-03	2.6	1.4	7.03E-01		
n410453	2.0	1.0	2.6	1.3	1.41E-02	2.7	1.4	3.86E-01		
n335651	10.9	1.0	14.2	1.3	1.92E-02	12.5	1.1	2.06E-01		
n339003	3.3	1.0	4.4	1.3	8.12E-03	4.1	1.2	3.51E-01		
n338715	2.0	1.0	2.6	1.3	1.13E-02	2.2	1.1	9.00E-02		
n335627	9.3	1.0	12.1	1.3	1.85E-02	11.9	1.3	8.97E-01		
n409550	35.3	1.0	45.9	1.3	2.66E-03	45.0	1.3	8.25E-01		
n342928	2.4	1.0	3.1	1.3	4.75E-02	2.6	1.1	1.44E-01		
TCONS_00023382	6.0	1.0	7.8	1.3	7.62E-03	6.8	1.1	5.24E-02		
TCONS_00001938	1.8	1.0	2.3	1.3	2.56E-02	2.0	1.1	1.68E-01		
n382502	8.6	1.0	11.2	1.3	1.50E-02	8.1	-1.1	9.10E-03	∨	∨
n409268	107.3	1.0	139.1	1.3	1.28E-02	99.3	-1.1	5.03E-03	∨	∨
n409080	2.6	1.0	3.3	1.3	4.27E-02	3.9	1.5	1.18E-01		
n408138	8.4	1.0	10.9	1.3	1.98E-03	9.5	1.1	2.66E-02		
n406657	3.0	1.0	3.9	1.3	2.90E-02	3.2	1.1	9.84E-02		
n410112	2.8	1.0	3.7	1.3	5.87E-04	3.2	1.1	3.46E-02		
n339786	1.5	1.0	2.0	1.3	2.19E-02	1.8	1.1	1.76E-01		
n381184	1.9	1.0	2.4	1.3	2.59E-03	2.2	1.2	4.46E-01		
n342023	3.0	1.0	3.9	1.3	1.74E-02	2.9	-1.0	1.75E-03		
n339276	3.2	1.0	4.1	1.3	1.51E-02	4.3	1.3	7.13E-01		
n383129	5.4	1.0	6.9	1.3	1.12E-02	7.1	1.3	6.97E-01		
n337860	3.0	1.0	3.8	1.3	3.12E-02	3.5	1.2	3.64E-01		
n410143	2.9	1.0	3.8	1.3	1.19E-03	3.2	1.1	1.85E-01		
n334562	13.2	1.0	16.9	1.3	3.67E-02	17.2	1.3	7.98E-01		
n407745	9.1	1.0	11.6	1.3	3.49E-03	9.5	1.0	1.26E-01		
n341436	7.4	1.0	9.5	1.3	2.80E-02	10.4	1.4	5.17E-01		
n410326	7.7	1.0	9.9	1.3	4.33E-02	9.3	1.2	3.68E-01		
n342111	7.7	1.0	9.8	1.3	2.09E-02	9.2	1.2	3.64E-01		
n407984	9.1	1.0	11.6	1.3	7.60E-03	11.0	1.2	4.41E-01		
n341743	7.1	1.0	9.1	1.3	8.11E-03	7.7	1.1	6.52E-02		
n384936	1.4	1.0	1.8	1.3	4.49E-02	1.7	1.2	5.86E-01		
n406422	1.4	1.0	1.8	1.3	3.00E-02	1.7	1.2	7.41E-01		
n407760	10.3	1.0	13.1	1.3	1.83E-03	11.2	1.1	1.13E-01		
n408198	3.3	1.0	4.2	1.3	4.27E-03	3.7	1.1	2.85E-01		
n410890	0.7	1.0	0.9	1.3	3.15E-02	0.8	1.2	4.00E-01		
n405975	3.1	1.0	3.9	1.3	2.91E-02	3.6	1.2	2.88E-01		
n409286	4.8	1.0	6.1	1.3	1.09E-02	5.2	1.1	5.98E-02		
n341178	1.4	1.0	1.8	1.3	4.67E-02	1.3	-1.1	5.85E-02		
n409269	2.5	1.0	3.2	1.3	1.30E-03	2.9	1.1	2.66E-01		
n339354	22.4	1.0	28.5	1.3	1.75E-02	28.0	1.3	8.62E-01		
n338215	1.2	1.0	1.5	1.3	4.54E-02	1.4	1.2	7.96E-01		
n337967	11.3	1.0	14.4	1.3	3.29E-02	15.4	1.4	5.36E-01		
n407825	1.1	1.0	1.4	1.3	2.95E-02	1.3	1.2	3.10E-01		
n411665	4.0	1.0	5.1	1.3	3.50E-02	4.8	1.2	4.12E-01		
n342494	18.2	1.0	23.1	1.3	5.26E-03	18.9	1.0	7.26E-02		
n381629	0.8	1.0	1.0	1.3	3.85E-02	1.0	1.3	9.87E-01		
n339357	4.2	1.0	5.3	1.3	3.11E-02	4.3	1.0	1.35E-01		
n409179	1.9	1.0	2.4	1.3	3.67E-02	1.9	-1.0	8.55E-02		
n340556	2.2	1.0	2.8	1.3	9.42E-03	2.1	-1.0	8.44E-02		

n411654	3.2	1.0	4.1	1.3	1.58E-02	3.4	1.0	1.79E-01		
n335669	6.9	1.0	8.7	1.3	1.72E-02	8.3	1.2	6.16E-01		
n406823	4.3	1.0	5.5	1.3	1.19E-03	5.4	1.2	8.30E-01		
n405453	2.0	1.0	2.5	1.3	1.24E-02	2.1	1.1	8.56E-02		
n406149	21.7	1.0	27.3	1.3	1.24E-02	22.9	1.1	8.57E-02		
n410119	5.8	1.0	7.3	1.3	3.42E-03	6.4	1.1	2.19E-01		
n409261	9.4	1.0	11.8	1.3	2.57E-02	10.1	1.1	7.57E-02		
n407171	3.4	1.0	4.3	1.3	7.80E-03	3.6	1.0	1.18E-01		
n335636	10.3	1.0	12.9	1.3	5.99E-03	11.6	1.1	1.50E-01		
n407832	6.4	1.0	8.1	1.3	4.00E-02	8.7	1.4	5.61E-01		
n406664	4.1	1.0	5.1	1.3	2.49E-02	4.8	1.2	5.21E-01		
n341680	0.4	1.0	0.5	1.3	4.15E-03	0.6	1.6	1.43E-01		
n385291	1.7	1.0	2.2	1.3	3.56E-02	2.1	1.2	6.45E-01		
n409184	4.4	1.0	5.5	1.3	4.97E-03	4.6	1.1	1.04E-01		
n411020	1.1	1.0	1.4	1.3	1.49E-02	1.2	1.1	1.53E-01		
n338076	35.8	1.0	44.7	1.3	9.61E-03	43.3	1.2	5.98E-01		
n406628	10.0	1.0	12.5	1.3	1.66E-02	11.5	1.2	2.73E-01		
n342047	4.3	1.0	5.4	1.2	2.98E-02	4.3	-1.0	7.44E-02		
n342404	2.6	1.0	3.2	1.2	2.72E-02	2.8	1.1	1.85E-01		
n409240	3.3	1.0	4.1	1.2	1.86E-02	4.0	1.2	4.08E-01		
n410472	1.9	1.0	2.3	1.2	7.63E-03	1.9	1.0	6.91E-02		
n406706	4.7	1.0	5.9	1.2	1.23E-02	4.7	-1.0	8.66E-03		
n409617	4.5	1.0	5.6	1.2	4.11E-02	5.7	1.3	7.39E-01		
n341229	1.1	1.0	1.4	1.2	4.25E-02	1.4	1.2	9.20E-01		
n338219	10.8	1.0	13.4	1.2	2.42E-03	11.6	1.1	9.02E-02		
n383697	4.2	1.0	5.2	1.2	3.80E-02	5.0	1.2	6.56E-01		
n406602	10.4	1.0	12.9	1.2	2.17E-02	11.3	1.1	1.36E-01		
n406618	2.8	1.0	3.4	1.2	4.35E-02	3.0	1.1	7.05E-02		
n409298	23.1	1.0	28.6	1.2	3.89E-02	28.0	1.2	8.36E-01		
n411694	24.7	1.0	30.5	1.2	2.74E-03	32.1	1.3	5.17E-01		
n335757	14.2	1.0	17.6	1.2	4.26E-02	19.8	1.4	1.05E-01		
n406954	25.1	1.0	31.1	1.2	1.58E-02	26.3	1.0	6.80E-02		
n410787	7.4	1.0	9.1	1.2	2.82E-03	7.7	1.0	6.07E-02		
n385685	4.3	1.0	5.3	1.2	6.63E-03	4.5	1.0	5.54E-02		
n345594	3.1	1.0	3.8	1.2	1.64E-02	3.8	1.2	9.61E-01		
n409625	13.7	1.0	16.8	1.2	1.37E-03	18.4	1.3	2.68E-01		
n408312	4.3	1.0	5.3	1.2	4.93E-02	4.3	-1.0	9.00E-02		
n409517	8.9	1.0	10.9	1.2	3.26E-03	9.9	1.1	2.12E-01		
n410731	9.3	1.0	11.4	1.2	7.33E-03	10.4	1.1	1.92E-01		
n407229	3.3	1.0	4.0	1.2	2.15E-02	3.4	1.0	1.54E-01		
n406446	4.6	1.0	5.7	1.2	1.20E-02	5.2	1.1	4.51E-01		
n410476	17.4	1.0	21.3	1.2	3.24E-02	20.6	1.2	7.51E-01		
n407453	2.7	1.0	3.4	1.2	1.95E-02	2.9	1.0	1.21E-01		
n407908	7.3	1.0	9.0	1.2	2.40E-02	8.0	1.1	2.56E-01		
n410960	16.2	1.0	19.8	1.2	4.23E-03	17.9	1.1	5.71E-02		
n338180	0.9	1.0	1.2	1.2	4.36E-02	1.0	1.1	3.68E-01		
n407266	5.5	1.0	6.7	1.2	1.32E-02	5.4	-1.0	3.56E-02		
n410123	2.1	1.0	2.5	1.2	4.21E-02	1.9	-1.1	1.99E-02		
n338368	2.9	1.0	3.6	1.2	3.50E-02	3.6	1.2	8.72E-01		
n406416	46.0	1.0	56.1	1.2	5.66E-04	54.2	1.2	6.30E-01		
n409338	15.3	1.0	18.6	1.2	6.53E-03	15.2	-1.0	2.02E-02		
n382510	1.8	1.0	2.2	1.2	2.01E-02	2.2	1.2	7.97E-01		
n411747	6.7	1.0	8.1	1.2	4.90E-02	6.1	-1.1	6.23E-02		
n406968	4.6	1.0	5.7	1.2	1.05E-02	5.1	1.1	1.12E-01		
n411640	7.9	1.0	9.6	1.2	1.64E-03	8.9	1.1	1.79E-01		
n410441	4.7	1.0	5.7	1.2	2.02E-02	4.9	1.1	1.97E-01		
n408154	12.1	1.0	14.7	1.2	4.55E-03	12.9	1.1	8.60E-02		
n408081	3.2	1.0	3.9	1.2	3.29E-02	3.3	1.0	2.04E-01		
n410028	9.5	1.0	11.5	1.2	3.34E-02	9.5	1.0	4.51E-02		
n411656	3.7	1.0	4.5	1.2	2.58E-02	3.9	1.0	1.81E-02		
n342837	22.1	1.0	26.7	1.2	2.62E-04	25.1	1.1	2.52E-01		
n344601	2.0	1.0	2.4	1.2	2.57E-02	2.2	1.1	3.90E-01		
n342415	9.5	1.0	11.5	1.2	2.65E-02	11.7	1.2	7.92E-01		
n385777	9.6	1.0	11.6	1.2	2.03E-02	10.0	1.0	1.01E-01		
n411675	3.8	1.0	4.5	1.2	1.58E-02	3.8	1.0	2.65E-02		
n410743	11.5	1.0	13.8	1.2	1.93E-03	12.4	1.1	1.39E-01		
n410537	14.4	1.0	17.3	1.2	2.59E-02	16.8	1.2	6.68E-01		
n410111	3.4	1.0	4.0	1.2	2.89E-02	3.9	1.2	6.45E-01		
n409395	8.8	1.0	10.5	1.2	1.78E-02	9.2	1.0	8.86E-02		
n406196	1.5	1.0	1.8	1.2	3.04E-02	1.6	1.1	7.66E-02		
n410007	13.4	1.0	16.1	1.2	9.81E-04	16.5	1.2	8.05E-01		
n411603	173.3	1.0	137.6	-1.3	1.87E-02	130.7	-1.3	6.44E-01		
n333016	4.9	1.0	3.8	-1.3	3.49E-02	3.6	-1.4	7.04E-01		
n410027	20.3	1.0	15.6	-1.3	7.08E-05	14.1	-1.4	2.53E-01		
TCONS_00008904	2.5	1.0	1.9	-1.3	2.85E-02	2.2	-1.1	4.41E-01		
n342760	5.1	1.0	3.8	-1.3	1.09E-02	4.3	-1.2	2.37E-01		
n411692	2.9	1.0	2.1	-1.3	4.05E-02	2.2	-1.3	7.47E-01		
n342706	331.2	1.0	248.9	-1.3	1.44E-02	215.1	-1.5	2.10E-01		
n383233	4.8	1.0	3.6	-1.3	4.19E-02	5.2	1.1	5.16E-03	∨	∨
n381031	7.0	1.0	5.2	-1.3	2.28E-02	4.8	-1.5	5.15E-01		
n424067	2.1	1.0	1.5	-1.4	5.15E-03	1.8	-1.1	5.50E-02		
n339569	6.6	1.0	4.9	-1.4	4.40E-03	5.6	-1.2	3.78E-02		
n410886	5.5	1.0	4.1	-1.4	4.67E-02	3.6	-1.5	4.97E-01		
n410159	5.7	1.0	4.2	-1.4	2.37E-02	3.8	-1.5	4.61E-01		

n340733	12.8	1.0	9.3	-1.4	7.35E-04	11.0	-1.2	1.30E-01		
n407211	1.4	1.0	1.0	-1.4	3.22E-02	1.5	1.0	2.48E-02	v	v
n407076	25.3	1.0	18.3	-1.4	6.08E-04	16.4	-1.5	3.63E-01		
n342114	685.7	1.0	492.3	-1.4	2.85E-04	511.3	-1.3	7.55E-01		
n339657	2.8	1.0	2.0	-1.4	2.16E-02	1.9	-1.5	8.18E-01		
n343070	93.8	1.0	65.7	-1.4	3.91E-02	60.9	-1.5	5.63E-01		
n406583	4.8	1.0	3.4	-1.4	2.93E-02	2.7	-1.8	6.36E-02		
n409105	1.6	1.0	1.1	-1.4	4.60E-04	1.1	-1.5	9.09E-01		
n338787	9.7	1.0	6.7	-1.4	5.02E-03	8.1	-1.2	1.03E-01		
n344791	2.4	1.0	1.7	-1.5	1.29E-03	1.5	-1.6	5.36E-01		
n342202	2987.7	1.0	2042.8	-1.5	4.70E-02	2404.2	-1.2	1.59E-01		
n345856	0.7	1.0	0.5	-1.5	4.85E-02	0.6	-1.2	3.62E-01		
n340497	1.8	1.0	1.2	-1.5	3.28E-02	1.7	-1.0	1.06E-01		
n341899	0.7	1.0	0.4	-1.5	3.88E-02	0.6	-1.2	4.03E-01		
n339261	1.8	1.0	1.2	-1.5	3.23E-02	1.6	-1.1	3.02E-01		
n340411	2.7	1.0	1.8	-1.5	9.53E-03	1.8	-1.5	9.83E-01		
n340265	5.3	1.0	3.5	-1.5	2.75E-02	6.9	1.3	3.30E-02		
n339249	1.4	1.0	0.9	-1.5	4.53E-02	1.0	-1.4	6.23E-01		
n337710	9.8	1.0	6.4	-1.5	1.72E-02	7.1	-1.4	2.38E-01		
n385535	11.0	1.0	7.2	-1.5	4.83E-03	7.5	-1.5	7.03E-01		
n409341	11.2	1.0	7.3	-1.5	1.47E-04	6.9	-1.6	7.44E-01		
n341701	1.1	1.0	0.7	-1.6	4.79E-02	0.8	-1.3	5.08E-01		
n344454	3.1	1.0	2.0	-1.6	2.11E-02	2.2	-1.4	5.92E-01		
n340532	1.3	1.0	0.8	-1.6	5.77E-03	0.8	-1.7	8.75E-01		
n341455	13.5	1.0	8.5	-1.6	9.08E-03	6.2	-2.2	1.94E-01		
n406139	8.8	1.0	5.5	-1.6	6.63E-03	6.2	-1.4	5.89E-01		
n342206	14.1	1.0	8.7	-1.6	2.82E-03	9.3	-1.5	6.33E-01		
n340843	1.0	1.0	0.6	-1.6	1.68E-03	0.7	-1.3	4.11E-01		
n342205	7.1	1.0	4.3	-1.6	1.74E-02	4.0	-1.8	6.48E-01		
n342839	3.3	1.0	2.0	-1.7	4.45E-02	2.0	-1.7	9.98E-01		
n410164	1.9	1.0	1.1	-1.7	4.42E-02	1.3	-1.5	6.67E-01		
n378134	5.7	1.0	3.4	-1.7	9.50E-03	4.7	-1.2	8.04E-02		
n381030	10.6	1.0	6.3	-1.7	1.67E-04	7.2	-1.5	4.73E-01		
n408908	43.5	1.0	25.8	-1.7	1.20E-02	30.6	-1.4	7.90E-02		
n341343	8.5	1.0	5.0	-1.7	5.24E-03	5.2	-1.6	8.51E-01		
n381766	1.7	1.0	1.0	-1.7	1.39E-02	1.1	-1.6	7.72E-01		
TCONS_00029435	1.2	1.0	0.7	-1.7	4.72E-03	0.7	-1.7	8.46E-01		
n338582	0.6	1.0	0.4	-1.7	2.41E-02	0.5	-1.2	1.81E-01		
n339038	1.2	1.0	0.7	-1.7	3.31E-02	0.9	-1.4	3.23E-01		
n342843	3.8	1.0	2.2	-1.7	1.09E-02	3.1	-1.2	2.30E-01		
n408252	1.0	1.0	0.5	-1.7	6.29E-03	0.7	-1.4	4.58E-01		
n343066	219.2	1.0	124.1	-1.8	3.31E-02	151.0	-1.5	7.97E-02		
n338279	17.3	1.0	9.8	-1.8	2.60E-04	9.2	-1.9	6.28E-01		
n338142	5.8	1.0	3.3	-1.8	3.55E-03	3.9	-1.5	1.90E-01		
n340209	0.8	1.0	0.4	-1.8	3.23E-02	0.4	-2.0	7.52E-01		
n333334	10.4	1.0	5.8	-1.8	6.29E-04	7.4	-1.4	3.89E-01		
n378520	0.7	1.0	0.4	-1.8	4.76E-02	0.9	1.3	3.18E-03		
n342938	1.2	1.0	0.7	-1.8	3.39E-02	1.7	1.4	8.53E-02		
n340150	1.4	1.0	0.7	-1.9	1.68E-02	0.7	-2.1	7.19E-01		
n337693	0.9	1.0	0.5	-1.9	1.60E-02	0.6	-1.6	6.42E-01		
n385670	0.7	1.0	0.4	-1.9	5.71E-03	0.4	-2.0	9.14E-01		
n336898	3.2	1.0	1.6	-1.9	4.84E-02	1.1	-2.9	3.99E-01		
n346528	1.6	1.0	0.8	-2.0	2.72E-02	0.5	-3.6	3.01E-01		
n340147	1.0	1.0	0.5	-2.0	8.27E-03	0.6	-1.8	7.63E-01		
n410608	5.6	1.0	2.8	-2.0	1.42E-02	2.4	-2.3	3.95E-01		
n408111	0.8	1.0	0.4	-2.0	1.40E-02	0.3	-2.5	2.02E-01		
n333357	1.2	1.0	0.6	-2.0	3.22E-02	0.8	-1.4	4.22E-01		
TCONS_00016476	1.3	1.0	0.6	-2.1	4.54E-03	1.2	-1.1	1.19E-01		
n338544	0.9	1.0	0.4	-2.1	2.21E-02	0.7	-1.4	3.29E-02		v
n332982	1.3	1.0	0.6	-2.1	5.74E-03	0.9	-1.5	1.14E-01		
n337293	7.1	1.0	3.4	-2.1	1.06E-02	5.4	-1.3	3.98E-02		v
n333395	0.6	1.0	0.3	-2.2	3.37E-02	0.6	-1.1	1.54E-01		
n340146	3.9	1.0	1.8	-2.2	9.28E-03	2.3	-1.7	4.42E-01		
n409244	38.2	1.0	17.5	-2.2	1.71E-04	19.7	-1.9	5.26E-01		
TCONS_00004193	0.7	1.0	0.3	-2.2	2.95E-02	0.4	-1.8	5.66E-01		
n341751	0.9	1.0	0.4	-2.2	3.70E-02	0.7	-1.3	3.01E-02		v
TCONS_00015564	2.1	1.0	0.9	-2.3	9.39E-03	1.1	-1.8	3.38E-01		
TCONS_00008443	0.6	1.0	0.3	-2.3	2.90E-02	0.2	-3.0	5.90E-01		
TCONS_00015553	0.9	1.0	0.4	-2.5	1.20E-02	0.4	-2.6	9.33E-01		
n385559	4.3	1.0	1.7	-2.5	5.44E-04	2.6	-1.7	4.61E-02		v
TCONS_00016948	4.2	1.0	1.7	-2.6	3.00E-03	2.3	-1.8	1.95E-01		
n334005	1.2	1.0	0.4	-2.6	9.35E-03	0.4	-3.1	5.88E-01		
n337853	2.2	1.0	0.8	-2.7	1.09E-02	1.0	-2.3	3.60E-01		
n342555	2.8	1.0	1.0	-2.8	4.27E-02	0.3	-10.8	1.25E-01		
n346121	3.2	1.0	1.1	-2.8	6.47E-06	1.6	-2.1	1.79E-01		
n384299	0.8	1.0	0.3	-2.8	5.33E-03	0.3	-2.6	8.23E-01		
n385557	0.7	1.0	0.2	-2.9	1.88E-02	0.3	-2.0	4.91E-01		
n346292	0.4	1.0	0.1	-3.0	2.35E-02	0.3	-1.5	3.84E-01		
n3894	1.9	1.0	0.6	-3.0	1.90E-03	1.4	-1.3	5.39E-02		
n379769	1.7	1.0	0.5	-3.2	3.97E-02	1.1	-1.5	1.75E-01		
n380635	0.6	1.0	0.2	-3.2	6.64E-03	0.3	-1.7	2.93E-01		
n339157	2.6	1.0	0.8	-3.4	8.86E-03	0.7	-3.6	8.30E-01		
n338599	0.7	1.0	0.2	-3.9	4.68E-02	0.1	-13.9	6.08E-02		
n339156	1.0	1.0	0.2	-4.1	7.15E-03	0.9	-1.1	1.71E-02	v	v

n411751	2.6	1.0	0.6	-4.1	7.32E-04	0.9	-2.8	2.76E-01		
n333323	1.0	1.0	0.2	-4.2	4.76E-02	0.4	-2.2	4.11E-01		
TCONS_00012631	0.6	1.0	0.1	-4.8	5.47E-03	0.2	-2.5	1.27E-01		
TCONS_00023889	0.7	1.0	0.1	-5.0	1.98E-02	0.5	-1.3	3.79E-01		
TCONS_00009461	0.7	1.0	0.1	-5.7	4.09E-02	0.2	-3.4	5.62E-01		
n409074	0.9	1.0	0.1	-6.9	1.69E-02	0.2	-3.6	3.91E-02		v
TCONS_00024424	3.1	1.0	0.4	-7.4	3.32E-02	0.3	-10.9	2.82E-01		
n405862	0.5	1.0	0.1	-7.4	4.09E-02	0.1	-6.4	7.69E-01		
n339715	0.3	1.0	0.0	-7.6	1.39E-03	0.3	-1.1	3.45E-02		v
n333421	0.3	1.0	0.0	-10.3	3.96E-02	0.2	-1.8	2.41E-01		
n379235	0.6	1.0	0.0	-15.4	2.14E-02	0.3	-2.2	3.30E-01		
n407725	0.8	1.0	0.0	-24.1	3.28E-02	0.4	-1.7	1.32E-01		
n378139	0.4	1.0	0.0	-699.7	1.30E-02	0.6	1.6	3.66E-02		

Table S15. Mean normalized read counts, fold change (compared to NF hearts mean value) and P values of lncRNAs that are differentially expressed in NICM LV samples

Transcript	NF mean (RPKM+0.1)	Fold Change (vs NF)	NICM pre-LVAD mean (RPKM+0.1)	Fold Change (vs NF)	P value (NF vs NICM)	NICM post-LVAD mean (RPKM+0.1)	Fold Change (vs NF)	P value (NICM pre vs post LVAD)	Normalized by LVAD	Improved by LVAD
n333421	0.3	1.0	0.0	N/A	2.13E-02	0.5	1.3	3.14E-02		
n333955	0.3	1.0	17.8	56.3	3.51E-02	2.7	8.7	9.41E-02		
n377672	0.1	1.0	1.6	29.2	3.14E-02	1.2	21.6	6.83E-01		
n387023	0.0	1.0	0.5	19.8	2.06E-02	0.3	11.6	3.64E-01		
n333220	0.0	1.0	0.2	11.4	7.91E-03	0.3	20.4	5.49E-01		
TCONS_00011638	0.0	1.0	0.4	9.4	3.16E-03	0.8	18.4	2.56E-01		
TCONS_00017455	0.1	1.0	0.6	8.5	3.47E-02	0.1	2.1	5.85E-02		
n387019	0.1	1.0	0.5	7.0	3.15E-02	0.4	5.1	5.44E-01		
n411026	0.0	1.0	0.3	6.3	1.60E-02	0.2	4.1	3.18E-01		
KCONS_00006233	0.3	1.0	1.5	5.7	1.26E-03	0.7	2.7	1.10E-02		v
n334838	0.1	1.0	0.6	5.0	1.73E-02	0.3	2.7	1.89E-01		
n332777	0.2	1.0	0.8	4.8	1.01E-02	0.4	2.1	1.05E-01		
TCONS_00010815	0.2	1.0	0.7	4.1	1.28E-02	0.5	3.1	5.51E-01		
TCONS_00006930	1.8	1.0	7.0	3.8	3.54E-03	7.5	4.1	8.27E-01		
n333836	0.4	1.0	1.4	3.7	1.97E-03	0.9	2.4	1.28E-01		
KCONS_00000469	0.3	1.0	1.1	3.5	3.55E-03	0.6	2.0	8.27E-03		v
n342815	0.2	1.0	0.6	3.4	4.07E-02	0.6	3.5	8.86E-01		
n337744	1.3	1.0	4.2	3.2	2.89E-02	2.2	1.7	5.58E-02		
n405633	0.1	1.0	0.4	3.2	3.69E-02	0.5	4.5	6.71E-01		
n346428	0.2	1.0	0.6	3.1	3.40E-02	0.4	1.9	1.60E-01		
n407157	0.3	1.0	0.9	3.0	2.65E-03	1.0	3.3	7.17E-01		
n382899	0.4	1.0	1.3	3.0	3.46E-02	1.7	4.0	3.14E-01		
n406989	1.7	1.0	5.2	3.0	1.58E-04	3.6	2.1	7.37E-02		
n338950	0.6	1.0	1.6	2.9	6.94E-04	0.9	1.7	1.78E-02		v
n337060	5.9	1.0	16.5	2.8	2.13E-03	9.6	1.6	7.17E-02		
n335562	5.2	1.0	14.4	2.8	3.58E-02	15.5	3.0	8.12E-01		
TCONS_00019696	0.2	1.0	0.5	2.8	8.65E-03	0.7	3.8	2.70E-01		
n382098	0.4	1.0	1.0	2.7	1.18E-02	0.6	1.5	5.87E-03		v
n341884	0.4	1.0	1.2	2.7	1.27E-05	0.9	2.0	2.38E-02		v
TCONS_00001037	0.5	1.0	1.4	2.7	6.17E-04	0.9	1.7	5.13E-02		
n335544	0.3	1.0	0.7	2.7	4.90E-02	0.7	2.7	9.83E-01		
TCONS_00001588	0.3	1.0	0.9	2.6	1.94E-02	0.7	2.2	5.00E-01		
TCONS_00020932	0.2	1.0	0.6	2.6	3.92E-02	0.4	1.9	1.73E-01		
n341422	0.4	1.0	1.2	2.6	2.09E-02	1.0	2.3	5.84E-01		
n406496	0.3	1.0	0.9	2.6	8.83E-03	2.1	6.2	2.11E-02		
n410877	21.5	1.0	55.3	2.6	5.62E-04	59.7	2.8	5.53E-01		
n341691	0.4	1.0	1.1	2.5	3.91E-07	1.0	2.5	8.10E-01		
n342053	0.2	1.0	0.6	2.5	2.92E-02	0.3	1.2	7.83E-02		
n337076	0.4	1.0	0.9	2.5	8.98E-03	0.7	2.0	5.14E-01		
n406465	0.4	1.0	1.1	2.5	2.78E-02	0.5	1.1	9.01E-02		
n340521	0.3	1.0	0.7	2.5	1.15E-04	0.7	2.4	7.54E-01		
TCONS_00002713	0.7	1.0	1.6	2.4	5.26E-04	1.6	2.3	7.79E-01		
n378896	0.3	1.0	0.7	2.4	5.72E-03	0.7	2.6	4.43E-01		
TCONS_00029729	0.4	1.0	1.0	2.3	3.47E-03	0.9	2.2	6.92E-01		
n341327	0.3	1.0	0.7	2.3	6.36E-03	0.5	1.8	5.92E-02		
n410736	0.8	1.0	1.8	2.3	3.24E-04	1.4	1.8	2.14E-01		
n338024	0.4	1.0	1.0	2.3	1.74E-02	1.0	2.2	8.59E-01		
n340790	0.3	1.0	0.8	2.3	1.15E-02	0.7	2.0	5.42E-01		
TCONS_00025273	0.3	1.0	0.7	2.3	2.78E-02	0.5	1.7	3.17E-01		
n339755	0.2	1.0	0.5	2.3	7.20E-03	0.4	1.6	2.03E-01		
n342745	0.4	1.0	0.9	2.3	5.04E-03	0.6	1.7	1.16E-02		v
n338653	0.3	1.0	0.7	2.3	6.88E-04	0.6	2.1	6.57E-01		
n410853	0.8	1.0	1.7	2.3	2.77E-03	1.5	2.0	5.91E-01		
n380504	1.1	1.0	2.4	2.2	3.30E-03	1.6	1.5	1.55E-01		
n338591	0.6	1.0	1.4	2.2	6.78E-06	0.7	1.2	6.00E-04		v
n341527	0.3	1.0	0.5	2.2	3.61E-02	0.3	1.3	3.19E-03		v
n338663	0.6	1.0	1.2	2.2	7.82E-03	1.0	1.7	2.03E-01		
TCONS_00000589	0.2	1.0	0.4	2.2	4.55E-02	0.3	1.5	4.15E-01		
n406636	0.7	1.0	1.5	2.1	1.17E-04	1.2	1.7	5.96E-02		
TCONS_00017676	0.3	1.0	0.7	2.1	1.11E-03	0.5	1.4	8.73E-03		v
TCONS_00018253	0.4	1.0	0.8	2.1	2.51E-02	0.7	1.9	7.63E-01		
TCONS_00025886	0.4	1.0	0.8	2.1	3.23E-02	0.7	1.8	6.18E-01		
n339430	0.6	1.0	1.2	2.1	1.06E-03	1.6	2.7	5.04E-01		
n379210	0.4	1.0	0.8	2.1	1.93E-02	0.7	1.9	6.81E-01		
n339510	0.3	1.0	0.6	2.1	3.84E-03	0.4	1.4	1.31E-01		
n342014	0.6	1.0	1.3	2.1	2.65E-02	2.4	3.7	1.47E-01		
n337821	0.6	1.0	1.3	2.1	1.75E-02	1.3	2.0	9.19E-01		
n407534	1.8	1.0	3.7	2.1	3.08E-02	2.3	1.3	1.27E-01		
n342708	0.4	1.0	0.9	2.1	1.55E-02	0.5	1.2	3.61E-02		v
n334841	2.0	1.0	4.1	2.1	4.66E-03	3.3	1.7	2.12E-01		
TCONS_00019783	0.3	1.0	0.7	2.1	2.96E-02	0.7	2.2	7.82E-01		
n387441	0.4	1.0	0.9	2.0	2.53E-02	0.9	2.2	6.62E-01		
n410010	0.8	1.0	1.6	2.0	1.75E-06	2.1	2.7	2.11E-01		
n341790	0.9	1.0	1.8	2.0	6.32E-03	2.2	2.5	4.01E-01		
n410935	0.6	1.0	1.3	2.0	3.16E-02	0.9	1.4	1.75E-01		
n333489	1.3	1.0	2.6	2.0	2.00E-03	2.5	1.9	7.00E-01		
n381928	0.3	1.0	0.6	2.0	4.75E-02	0.7	2.5	5.83E-01		
n334653	3.3	1.0	6.6	2.0	1.95E-03	9.9	3.0	2.35E-01		
n406227	1.9	1.0	3.8	2.0	3.46E-03	2.1	1.1	1.40E-02		v

n332603	389.2	1.0	769.4	2.0	6.13E-03	568.5	1.5	2.04E-01		
n340740	1.9	1.0	3.7	2.0	2.49E-02	1.8	-1.1	1.99E-02	∨	∨
n344513	0.5	1.0	0.9	2.0	2.35E-02	0.5	1.2	3.32E-02		∨
n407227	7.9	1.0	15.6	2.0	6.91E-06	10.5	1.3	1.50E-03		∨
n340649	2.0	1.0	3.8	2.0	3.24E-02	3.2	1.7	3.26E-01		
n344724	0.6	1.0	1.1	2.0	6.88E-03	1.1	2.0	9.31E-01		
n340512	0.6	1.0	1.1	1.9	5.19E-03	0.6	1.0	2.03E-02	∨	∨
TCONS_00009832	0.4	1.0	0.7	1.9	3.36E-02	0.7	1.9	9.62E-01		
n406604	0.7	1.0	1.3	1.9	1.45E-02	0.9	1.3	1.29E-01		
n408308	3.5	1.0	6.7	1.9	3.15E-03	7.9	2.2	9.52E-02		
n381788	0.9	1.0	1.7	1.9	7.66E-03	1.7	1.8	7.34E-01		
n407949	2.0	1.0	3.7	1.9	1.00E-03	2.7	1.4	1.17E-01		
n382693	0.4	1.0	0.8	1.9	1.89E-02	1.1	2.6	6.19E-02		
n337754	0.7	1.0	1.2	1.9	3.36E-03	1.1	1.8	8.13E-01		
n342623	1.2	1.0	2.2	1.8	5.68E-04	2.4	2.1	2.13E-01		
n339627	0.4	1.0	0.7	1.8	1.16E-03	0.7	1.9	7.01E-01		
n344612	0.2	1.0	0.3	1.8	3.47E-02	0.4	2.1	7.20E-01		
n334548	0.5	1.0	0.9	1.8	4.34E-02	0.7	1.4	3.31E-01		
n408083	2.0	1.0	3.6	1.8	4.25E-02	1.9	-1.0	1.32E-01		
KCONS_00003555	0.7	1.0	1.3	1.8	1.65E-03	1.3	1.8	9.90E-01		
n408341	0.3	1.0	0.6	1.8	1.95E-02	0.6	1.9	7.12E-01		
n342847	8.7	1.0	15.8	1.8	7.25E-04	19.8	2.3	6.56E-03		
n338387	1.6	1.0	2.9	1.8	1.79E-03	2.5	1.6	9.14E-02		
n334798	0.4	1.0	0.8	1.8	1.92E-02	0.6	1.4	1.15E-01		
n341189	2.1	1.0	3.8	1.8	1.17E-02	2.3	1.1	1.97E-02	∨	∨
n335737	74.9	1.0	135.1	1.8	1.96E-02	125.7	1.7	7.94E-01		
n409064	1.6	1.0	2.9	1.8	1.18E-03	2.4	1.5	1.80E-01		
n338414	0.3	1.0	0.6	1.8	3.71E-02	0.6	1.7	8.38E-01		
TCONS_00009272	0.9	1.0	1.6	1.8	5.79E-03	0.9	-1.0	3.89E-04	∨	∨
TCONS_00027439	0.7	1.0	1.2	1.8	7.54E-03	1.3	1.9	6.74E-01		
n341541	0.6	1.0	1.1	1.8	5.62E-03	1.0	1.5	3.03E-01		
n340510	3.0	1.0	5.3	1.8	3.12E-04	3.3	1.1	2.07E-02		∨
n339725	1.2	1.0	2.2	1.8	3.03E-02	2.4	1.9	7.48E-01		
n405263	12.8	1.0	22.7	1.8	4.10E-02	16.8	1.3	2.66E-01		
n340062	2.0	1.0	3.6	1.8	2.31E-02	2.1	1.0	4.67E-02	∨	∨
n339682	1.9	1.0	3.3	1.8	1.23E-02	5.0	2.7	2.16E-01		
n410004	2.0	1.0	3.4	1.8	3.07E-05	3.0	1.5	2.04E-01		
n339643	1.6	1.0	2.7	1.8	2.27E-03	3.8	2.5	3.72E-02		
n335816	1.3	1.0	2.2	1.8	1.91E-02	2.4	1.9	7.71E-01		
n409073	0.7	1.0	1.2	1.8	7.79E-04	1.0	1.5	2.66E-01		
n409227	1.2	1.0	2.1	1.8	1.29E-03	1.5	1.3	2.83E-02		∨
n409183	0.4	1.0	0.7	1.8	1.34E-03	0.6	1.5	5.73E-01		
n411621	0.3	1.0	0.5	1.8	3.39E-03	0.4	1.6	2.35E-01		
n337799	3.3	1.0	5.8	1.7	5.83E-05	5.9	1.8	9.17E-01		
n341425	0.6	1.0	1.1	1.7	1.10E-02	0.6	-1.0	3.70E-02	∨	∨
n339385	0.4	1.0	0.7	1.7	1.84E-02	1.0	2.6	1.46E-01		
n405970	1.3	1.0	2.2	1.7	6.03E-03	2.8	2.2	3.68E-02		
n340990	0.4	1.0	0.7	1.7	4.26E-02	0.7	1.6	7.06E-01		
n409622	0.4	1.0	0.7	1.7	3.86E-02	0.4	1.0	1.42E-01		
n406404	0.5	1.0	0.9	1.7	2.02E-03	0.7	1.3	8.13E-02		
TCONS_00005634	5.3	1.0	9.2	1.7	4.53E-02	4.4	-1.2	2.93E-02		
n383738	0.4	1.0	0.7	1.7	3.11E-02	0.6	1.5	1.65E-01		
n407060	4.0	1.0	6.8	1.7	1.70E-04	6.6	1.7	8.69E-01		
n326378	0.9	1.0	1.5	1.7	3.10E-02	1.7	1.9	7.04E-01		
n378771	0.5	1.0	0.8	1.7	4.33E-02	0.6	1.2	2.22E-01		
n336259	0.5	1.0	0.9	1.7	4.03E-02	0.8	1.6	7.10E-01		
n341081	0.4	1.0	0.8	1.7	8.50E-03	0.7	1.5	5.11E-01		
n381542	2.1	1.0	3.5	1.7	1.71E-02	3.0	1.4	4.31E-01		
n342118	0.5	1.0	0.9	1.7	5.11E-04	1.0	1.8	8.11E-01		
n340800	1.2	1.0	1.9	1.7	2.16E-02	2.2	1.9	7.45E-01		
n381584	0.4	1.0	0.7	1.7	2.51E-02	0.8	1.9	6.28E-01		
n333000	3.1	1.0	5.2	1.7	4.43E-03	4.2	1.3	3.44E-01		
n333054	3.2	1.0	5.4	1.7	2.90E-02	3.2	-1.0	2.05E-03	∨	∨
n341216	2.2	1.0	3.6	1.7	1.12E-02	4.4	2.1	1.89E-01		
n384573	0.7	1.0	1.2	1.7	4.47E-02	0.9	1.3	4.19E-01		
n338998	0.5	1.0	0.8	1.6	3.13E-03	0.8	1.7	7.24E-01		
n377799	1.0	1.0	1.6	1.6	3.07E-02	2.0	2.1	4.01E-01		
n341167	7.3	1.0	12.0	1.6	5.13E-04	10.6	1.5	2.22E-01		
n381786	5.2	1.0	8.6	1.6	7.57E-04	8.2	1.6	6.31E-01		
n410723	2.4	1.0	4.0	1.6	8.59E-05	4.0	1.6	9.39E-01		
n378584	0.8	1.0	1.2	1.6	1.41E-02	1.2	1.7	9.83E-01		
n337851	0.8	1.0	1.4	1.6	4.56E-02	1.1	1.3	3.10E-01		
n340547	2.3	1.0	3.7	1.6	7.92E-03	4.6	2.0	4.48E-01		
n411679	1.2	1.0	2.0	1.6	2.80E-03	1.8	1.5	4.74E-01		
n340297	140.6	1.0	228.4	1.6	2.95E-03	161.4	1.1	4.31E-02		∨
n377745	0.8	1.0	1.2	1.6	1.57E-02	0.9	1.2	1.20E-01		
n386148	1.3	1.0	2.1	1.6	2.84E-03	1.8	1.4	1.77E-01		
n335610	0.8	1.0	1.2	1.6	5.62E-03	1.2	1.6	8.76E-01		
n339059	1.2	1.0	1.9	1.6	1.25E-02	1.6	1.4	4.57E-01		
n344486	0.4	1.0	0.7	1.6	4.15E-02	0.5	1.3	3.73E-01		
n379110	0.5	1.0	0.8	1.6	6.56E-03	0.6	1.2	1.09E-03		∨
n385202	0.8	1.0	1.3	1.6	4.52E-03	1.4	1.7	7.53E-01		
n385207	0.7	1.0	1.2	1.6	3.13E-02	1.1	1.5	6.71E-01		

n340248	1.8	1.0	2.9	1.6	3.63E-03	3.2	1.7	6.84E-01		
n407776	3.7	1.0	5.9	1.6	8.36E-04	5.7	1.5	7.75E-01		
n410093	3.6	1.0	5.7	1.6	3.07E-02	6.4	1.8	1.80E-01		
TCONS_00025708	3.1	1.0	4.9	1.6	1.36E-03	4.8	1.6	7.56E-01		
n335242	2.2	1.0	3.6	1.6	5.36E-03	3.5	1.5	6.65E-01		
n340496	0.6	1.0	0.9	1.6	4.48E-02	0.9	1.6	9.40E-01		
n380284	0.9	1.0	1.4	1.6	4.83E-02	1.4	1.6	9.86E-01		
n384394	0.8	1.0	1.3	1.6	2.25E-02	0.7	-1.1	3.25E-02	∨	∨
n333520	1.1	1.0	1.8	1.6	8.87E-03	2.5	2.2	1.97E-01		
n385212	3.5	1.0	5.5	1.6	5.17E-03	6.9	2.0	6.18E-02		
n337722	0.4	1.0	0.6	1.6	2.66E-02	0.8	2.0	3.94E-01		
n341120	0.6	1.0	0.9	1.6	2.83E-02	0.7	1.2	2.51E-01		
n386047	1.0	1.0	1.5	1.6	1.56E-02	1.2	1.3	9.93E-02		
n339736	1.1	1.0	1.7	1.6	1.62E-03	1.6	1.5	2.76E-01		
n342574	1.4	1.0	2.2	1.6	9.75E-03	2.0	1.5	6.62E-01		
n405689	0.6	1.0	0.9	1.6	4.39E-03	0.8	1.5	7.83E-01		
n334788	2.5	1.0	3.9	1.6	4.68E-02	4.8	1.9	3.94E-01		
n344464	2.5	1.0	3.9	1.6	8.60E-04	3.5	1.4	1.52E-01		
n338221	1.0	1.0	1.6	1.6	1.96E-02	1.6	1.6	9.59E-01		
n410131	0.7	1.0	1.0	1.6	2.43E-02	1.0	1.6	9.91E-01		
n340953	3.5	1.0	5.5	1.6	1.23E-02	9.3	2.7	1.90E-01		
n386063	2.2	1.0	3.5	1.6	7.04E-05	2.3	1.0	4.03E-03	∨	∨
n407998	0.8	1.0	1.3	1.6	1.41E-02	1.2	1.4	4.45E-01		
n340820	0.3	1.0	0.4	1.5	2.21E-02	0.8	3.1	6.30E-02		
n333419	1.7	1.0	2.6	1.5	3.74E-02	2.8	1.7	5.86E-01		
n339434	2.4	1.0	3.7	1.5	3.66E-02	4.2	1.8	2.22E-01		
n341828	1.8	1.0	2.8	1.5	1.16E-03	3.5	1.9	1.05E-01		
n408884	3.3	1.0	5.1	1.5	3.57E-02	4.0	1.2	2.09E-01		
n406809	0.6	1.0	1.0	1.5	8.28E-03	0.8	1.3	1.77E-01		
n407837	5.6	1.0	8.6	1.5	6.34E-05	9.1	1.6	3.77E-01		
n386266	0.9	1.0	1.4	1.5	1.24E-02	1.4	1.5	9.83E-01		
n385571	2.2	1.0	3.3	1.5	3.82E-02	2.9	1.3	2.90E-01		
n335699	2.2	1.0	3.4	1.5	6.31E-03	3.5	1.6	7.80E-01		
n335708	7.1	1.0	10.7	1.5	1.49E-02	13.2	1.9	5.35E-01		
n409697	4.9	1.0	7.4	1.5	5.99E-06	6.6	1.4	1.38E-01		
n384770	2.1	1.0	3.1	1.5	1.73E-03	3.3	1.6	5.79E-01		
n411677	0.7	1.0	1.1	1.5	2.79E-02	0.8	1.1	2.95E-02	∨	∨
n385278	24.7	1.0	37.5	1.5	1.76E-05	35.0	1.4	2.57E-01		
n340559	0.8	1.0	1.2	1.5	3.30E-02	0.9	1.2	7.70E-02		
n387393	1.1	1.0	1.7	1.5	2.62E-02	1.5	1.4	7.04E-01		
n341749	1.6	1.0	2.4	1.5	6.72E-03	1.9	1.2	1.75E-02		
n411755	3.1	1.0	4.7	1.5	3.68E-02	7.1	2.3	1.05E-01		
n341697	0.7	1.0	1.1	1.5	7.12E-03	0.8	1.1	3.03E-02	∨	∨
KCONS_00028690	0.8	1.0	1.3	1.5	2.66E-02	1.0	1.2	1.78E-01		
n342855	19.0	1.0	28.5	1.5	5.07E-04	38.4	2.0	9.24E-02		
n377756	1.3	1.0	2.0	1.5	1.18E-03	1.8	1.3	3.33E-01		
TCONS_00025781	1.3	1.0	2.0	1.5	9.92E-03	1.5	1.1	2.83E-02		
n340203	1.3	1.0	2.0	1.5	2.04E-02	2.3	1.8	6.84E-01		
n379481	1.3	1.0	2.0	1.5	2.04E-02	2.3	1.8	6.84E-01		
n332941	5.3	1.0	8.0	1.5	1.32E-02	8.8	1.6	2.66E-01		
n407822	1.3	1.0	1.9	1.5	6.57E-04	1.5	1.2	4.14E-02		
n407746	1.3	1.0	2.0	1.5	2.88E-02	2.1	1.6	3.43E-01		
n335645	3.2	1.0	4.8	1.5	4.04E-02	4.3	1.4	6.11E-01		
n336952	0.8	1.0	1.1	1.5	1.57E-02	0.7	-1.0	3.27E-02	∨	∨
n342850	1.0	1.0	1.5	1.5	1.80E-02	1.9	1.8	3.57E-01		
n338468	0.8	1.0	1.1	1.5	4.09E-02	1.0	1.3	4.61E-01		
n386637	1.1	1.0	1.7	1.5	3.49E-02	1.9	1.7	5.19E-01		
n408096	1.7	1.0	2.6	1.5	4.93E-02	2.8	1.6	5.76E-01		
n408051	12.2	1.0	18.0	1.5	2.96E-02	22.9	1.9	2.90E-01		
n325601	0.4	1.0	0.6	1.5	2.85E-02	0.9	2.0	3.76E-01		
n340240	9.1	1.0	13.4	1.5	4.32E-03	11.1	1.2	1.62E-01		
n335517	0.6	1.0	0.9	1.5	4.57E-02	1.1	1.7	2.84E-01		
TCONS_00023184	1.3	1.0	1.8	1.5	6.41E-03	1.6	1.3	4.08E-01		
n338223	1.8	1.0	2.7	1.5	1.18E-03	3.5	1.9	1.14E-01		
n339699	1.4	1.0	2.1	1.5	1.25E-02	2.0	1.4	5.60E-01		
n342861	1.8	1.0	2.6	1.5	2.69E-02	2.4	1.3	4.32E-01		
TCONS_00008328	1.3	1.0	2.0	1.5	1.85E-02	1.4	1.0	2.51E-02	∨	∨
n335648	28.3	1.0	41.4	1.5	8.93E-03	45.4	1.6	3.80E-01		
n341533	0.5	1.0	0.8	1.5	7.63E-03	0.9	1.7	1.01E-01		
n340705	0.6	1.0	0.9	1.5	1.32E-02	0.8	1.4	6.78E-01		
n342328	1.2	1.0	1.7	1.5	5.90E-04	1.6	1.3	3.64E-01		
n408198	3.3	1.0	4.8	1.5	2.12E-03	3.6	1.1	3.20E-02	∨	∨
n341339	13.9	1.0	20.3	1.5	6.33E-03	22.7	1.6	3.47E-01		
n342817	4.1	1.0	5.9	1.5	9.48E-04	6.0	1.5	8.60E-01		
n339262	2.3	1.0	3.4	1.5	7.29E-04	4.8	2.0	3.12E-01		
n386569	2.5	1.0	3.7	1.5	6.24E-03	3.1	1.2	3.97E-01		
n333677	1.2	1.0	1.7	1.4	3.54E-02	1.4	1.2	3.08E-01		
n338394	2.1	1.0	3.0	1.4	5.17E-03	3.2	1.5	4.76E-01		
n335665	4.9	1.0	7.1	1.4	9.74E-03	7.5	1.5	7.82E-01		
n342167	0.5	1.0	0.8	1.4	1.99E-02	0.4	-1.3	2.84E-02		
n407022	2.6	1.0	3.7	1.4	7.86E-03	2.8	1.1	1.66E-02		
n410153	0.8	1.0	1.1	1.4	4.10E-02	1.3	1.7	3.18E-01		
n410674	0.7	1.0	1.0	1.4	1.88E-02	1.0	1.4	9.34E-01		
n407212	0.6	1.0	0.8	1.4	3.84E-02	0.7	1.1	9.31E-02		

n408895	1.1	1.0	1.6	1.4	4.50E-03	1.1	-1.0	1.13E-02	v	v
n410692	2.6	1.0	3.7	1.4	3.34E-02	3.0	1.2	1.50E-01		
n333420	1.0	1.0	1.5	1.4	3.06E-02	1.3	1.2	3.04E-01		
n335563	0.7	1.0	1.0	1.4	4.16E-02	0.7	1.0	1.36E-01		
n340788	2.2	1.0	3.1	1.4	3.02E-02	2.9	1.4	6.72E-01		
n407400	1.3	1.0	1.8	1.4	4.16E-02	1.5	1.2	3.92E-01		
n383242	1.1	1.0	1.5	1.4	1.92E-02	1.5	1.4	7.96E-01		
TCONS_00025147	2.3	1.0	3.2	1.4	4.84E-03	2.9	1.3	4.74E-01		
n341045	2.1	1.0	3.0	1.4	1.02E-02	2.8	1.3	6.53E-01		
n337985	0.8	1.0	1.2	1.4	1.95E-02	1.5	1.8	6.03E-02		
n339841	3.3	1.0	4.7	1.4	9.63E-03	3.7	1.1	2.07E-01		
n337724	0.8	1.0	1.2	1.4	1.11E-02	1.1	1.4	6.55E-01		
n406646	3.9	1.0	5.5	1.4	7.79E-03	5.8	1.5	4.61E-01		
n411731	3.9	1.0	5.4	1.4	1.21E-02	4.5	1.2	2.88E-01		
n410210	2.5	1.0	3.5	1.4	2.64E-02	3.8	1.6	6.47E-01		
n384558	1.5	1.0	2.1	1.4	4.89E-02	3.1	2.1	1.83E-01		
n342021	1.0	1.0	1.4	1.4	1.21E-02	1.3	1.3	7.33E-01		
n382060	0.7	1.0	1.0	1.4	2.36E-02	0.9	1.2	3.51E-01		
n339188	0.8	1.0	1.1	1.4	2.10E-02	1.1	1.4	8.93E-01		
n410604	31.3	1.0	44.0	1.4	1.70E-06	46.3	1.5	5.24E-01		
n377986	1.0	1.0	1.4	1.4	3.30E-02	1.2	1.2	2.74E-01		
n345594	3.1	1.0	4.3	1.4	1.89E-04	5.8	1.9	1.59E-02		
n408079	2.6	1.0	3.7	1.4	9.89E-03	3.3	1.3	2.12E-01		
n409548	1.2	1.0	1.7	1.4	3.09E-02	1.6	1.3	7.57E-01		
n343053	1.9	1.0	2.6	1.4	3.50E-03	2.6	1.4	9.58E-01		
n407454	2.5	1.0	3.5	1.4	8.35E-04	2.7	1.1	2.82E-02		
n345418	0.8	1.0	1.1	1.4	4.43E-02	1.2	1.4	7.64E-01		
n342113	3.0	1.0	4.2	1.4	1.75E-02	3.7	1.2	3.94E-01		
n408905	2.5	1.0	3.5	1.4	4.15E-03	3.2	1.3	4.57E-01		
n379599	2.9	1.0	4.0	1.4	1.75E-02	3.7	1.3	3.95E-01		
n338422	2.6	1.0	3.6	1.4	3.61E-03	4.0	1.6	6.04E-01		
n338920	0.8	1.0	1.2	1.4	1.59E-03	1.1	1.3	4.49E-01		
n407180	1.3	1.0	1.8	1.4	4.49E-04	1.8	1.4	8.94E-01		
n409293	0.8	1.0	1.1	1.4	4.49E-02	1.8	2.3	3.65E-02		
n410486	0.5	1.0	0.7	1.4	3.44E-02	0.7	1.4	7.17E-01		
n339058	0.6	1.0	0.8	1.4	1.85E-02	0.8	1.3	7.65E-01		
n342577	3.8	1.0	5.2	1.4	4.07E-02	5.4	1.4	8.88E-01		
n410530	3.9	1.0	5.4	1.4	4.06E-02	6.0	1.5	5.75E-01		
n410453	2.0	1.0	2.7	1.4	1.84E-02	2.5	1.3	1.75E-01		
n338971	5.5	1.0	7.6	1.4	3.54E-04	6.9	1.3	3.22E-01		
n338008	0.8	1.0	1.0	1.4	2.03E-03	1.2	1.6	1.97E-01		
n342913	1.6	1.0	2.2	1.4	9.36E-03	2.3	1.4	6.97E-01		
n410691	5.1	1.0	6.9	1.4	3.72E-02	8.3	1.6	1.95E-01		
n386635	0.7	1.0	1.0	1.4	4.07E-02	1.3	1.7	8.62E-02		
n338484	3.4	1.0	4.6	1.4	2.16E-02	5.0	1.5	5.41E-01		
n335587	13.1	1.0	17.7	1.4	4.12E-02	12.6	-1.0	1.01E-02	v	v
n407156	30.3	1.0	41.1	1.4	9.98E-03	57.5	1.9	2.84E-02		
n339041	21.8	1.0	29.6	1.4	3.54E-02	29.3	1.3	9.09E-01		
n410733	1.2	1.0	1.6	1.4	9.87E-03	1.7	1.4	7.29E-01		
n384298	7.2	1.0	9.7	1.4	8.86E-04	12.4	1.7	2.22E-03		
n338578	1.1	1.0	1.5	1.4	2.64E-02	1.4	1.3	4.72E-01		
n407079	1.8	1.0	2.4	1.4	5.88E-05	2.2	1.2	2.06E-01		
n408354	3.1	1.0	4.2	1.4	2.44E-02	5.3	1.7	2.14E-01		
n409653	2.5	1.0	3.3	1.4	3.27E-02	2.1	-1.2	4.63E-03		
n338902	1.8	1.0	2.4	1.4	4.68E-02	2.8	1.6	1.83E-01		
n383026	0.6	1.0	0.8	1.3	3.91E-02	0.9	1.6	4.44E-01		
n377797	0.8	1.0	1.1	1.3	2.84E-02	1.1	1.3	9.86E-01		
n338898	1.3	1.0	1.7	1.3	3.54E-02	1.4	1.1	4.10E-02		
n333474	8.6	1.0	11.6	1.3	8.85E-04	12.0	1.4	7.53E-01		
n385229	9.1	1.0	12.2	1.3	2.42E-02	12.7	1.4	6.33E-01		
TCONS_00025146	1.1	1.0	1.5	1.3	1.97E-02	1.5	1.4	9.20E-01		
n410790	0.7	1.0	0.9	1.3	2.55E-02	0.9	1.3	7.68E-01		
n410586	9.7	1.0	13.0	1.3	1.60E-04	13.2	1.4	8.26E-01		
n340631	3.1	1.0	4.2	1.3	2.47E-03	4.0	1.3	5.79E-01		
n345437	5.1	1.0	6.9	1.3	2.34E-02	8.0	1.5	2.78E-01		
n406590	9.4	1.0	12.6	1.3	1.69E-02	11.8	1.3	5.27E-01		
n340977	1.3	1.0	1.7	1.3	4.95E-02	1.6	1.2	6.17E-01		
n410133	2.0	1.0	2.7	1.3	4.27E-02	2.5	1.3	6.24E-01		
n406914	0.7	1.0	0.9	1.3	3.20E-03	0.9	1.3	5.55E-01		
n405864	1.7	1.0	2.3	1.3	9.39E-03	2.0	1.2	2.76E-01		
n385371	1.0	1.0	1.4	1.3	4.51E-02	1.2	1.2	2.47E-01		
n324698	1.1	1.0	1.5	1.3	4.93E-02	1.2	1.1	2.31E-01		
n339467	1.3	1.0	1.7	1.3	7.27E-03	1.6	1.2	4.81E-01		
n339557	5.9	1.0	7.8	1.3	1.88E-03	7.0	1.2	2.17E-01		
n340650	1.6	1.0	2.1	1.3	1.79E-02	2.6	1.7	9.36E-03		
n407183	6.7	1.0	8.9	1.3	1.78E-05	8.9	1.3	8.91E-01		
n408249	7.0	1.0	9.3	1.3	1.02E-02	8.0	1.1	1.36E-01		
n410744	3.5	1.0	4.7	1.3	7.00E-03	3.8	1.1	1.01E-01		
n410471	13.1	1.0	17.3	1.3	4.86E-02	17.5	1.3	9.57E-01		
n408077	2.4	1.0	3.2	1.3	1.89E-02	3.2	1.3	9.05E-01		
n407184	1.7	1.0	2.2	1.3	1.62E-02	2.1	1.2	4.49E-01		
n341057	1.9	1.0	2.5	1.3	2.44E-02	3.1	1.6	3.25E-01		
n339370	0.6	1.0	0.8	1.3	9.36E-03	0.6	-1.0	3.63E-02	v	v
n337637	2.3	1.0	3.0	1.3	2.45E-02	3.7	1.6	3.28E-01		

n341486	2.7	1.0	3.6	1.3	2.68E-02	3.7	1.4	8.52E-01		
n377720	1.3	1.0	1.7	1.3	2.51E-02	1.7	1.3	8.94E-01		
n405440	1.4	1.0	1.9	1.3	3.58E-02	2.3	1.6	1.39E-01		
n339763	2.3	1.0	3.1	1.3	8.20E-03	3.8	1.6	3.26E-02		
n410166	2.3	1.0	3.0	1.3	8.83E-03	2.8	1.2	5.14E-01		
n326361	5.7	1.0	7.5	1.3	6.48E-03	7.8	1.4	3.66E-01		
n335564	6.4	1.0	8.4	1.3	1.56E-02	8.4	1.3	9.56E-01		
n340509	1.5	1.0	2.0	1.3	4.37E-02	1.7	1.1	1.26E-01		
n345231	1.5	1.0	1.9	1.3	3.27E-02	2.1	1.4	6.07E-01		
n340374	1.9	1.0	2.5	1.3	3.98E-03	2.7	1.4	5.47E-02		
n333361	44.3	1.0	57.9	1.3	7.22E-04	63.0	1.4	2.66E-01		
n405638	0.9	1.0	1.2	1.3	2.89E-02	1.3	1.4	7.42E-01		
n410565	4.7	1.0	6.2	1.3	1.25E-02	5.9	1.2	5.60E-01		
n383211	0.9	1.0	1.2	1.3	4.27E-02	2.1	2.2	5.85E-02		
n339111	9.6	1.0	12.5	1.3	5.35E-03	16.7	1.7	9.97E-03		
n407745	9.1	1.0	11.8	1.3	3.64E-04	12.5	1.4	2.76E-01		
n337872	1.2	1.0	1.6	1.3	3.20E-02	1.7	1.4	3.32E-01		
n335592	14.5	1.0	18.8	1.3	6.09E-03	15.8	1.1	2.21E-01		
n410890	0.7	1.0	0.9	1.3	4.03E-02	1.2	1.6	2.49E-01		
n340531	8.9	1.0	11.5	1.3	3.47E-03	12.8	1.4	1.96E-01		
n342731	6.0	1.0	7.8	1.3	1.02E-04	8.2	1.4	3.87E-01		
n339180	3.3	1.0	4.3	1.3	3.00E-03	4.2	1.3	9.54E-01		
n406444	28.1	1.0	36.4	1.3	2.11E-03	32.8	1.2	2.60E-01		
n339927	1.4	1.0	1.8	1.3	1.46E-02	2.4	1.7	6.71E-03		
n377988	0.9	1.0	1.2	1.3	4.45E-02	1.1	1.3	8.01E-01		
n408019	2.1	1.0	2.7	1.3	1.08E-02	2.1	-1.0	3.41E-02		
n342111	7.7	1.0	9.9	1.3	2.17E-02	10.6	1.4	5.88E-01		
n378971	3.6	1.0	4.7	1.3	3.06E-02	4.4	1.2	4.43E-01		
n338715	2.0	1.0	2.6	1.3	3.30E-03	2.0	-1.0	6.14E-03		
n411752	3.8	1.0	4.9	1.3	2.96E-03	6.1	1.6	5.28E-03		
n344975	1.2	1.0	1.6	1.3	2.38E-02	1.9	1.5	1.88E-01		
n335614	44.9	1.0	57.7	1.3	4.60E-02	62.9	1.4	4.96E-01		
n408302	5.0	1.0	6.5	1.3	2.20E-02	5.1	1.0	2.68E-03		
n384215	1.9	1.0	2.4	1.3	1.90E-02	2.3	1.2	5.95E-01		
n342697	28.2	1.0	36.3	1.3	1.70E-02	37.6	1.3	6.79E-01		
TCONS_00002935	2.3	1.0	3.0	1.3	1.94E-02	3.7	1.6	1.11E-01		
n339967	2.5	1.0	3.2	1.3	1.84E-02	3.3	1.3	8.44E-01		
n340921	3.1	1.0	3.9	1.3	1.01E-02	4.4	1.4	1.98E-01		
n338691	3.6	1.0	4.6	1.3	5.30E-03	3.8	1.0	1.82E-02		
n342244	5.0	1.0	6.4	1.3	5.52E-04	6.2	1.2	5.88E-01		
n341644	4.9	1.0	6.3	1.3	1.59E-02	6.8	1.4	5.08E-01		
n410143	2.9	1.0	3.8	1.3	1.79E-03	4.1	1.4	3.75E-01		
n342504	2.5	1.0	3.2	1.3	2.35E-02	4.2	1.7	8.55E-02		
n339355	11.4	1.0	14.6	1.3	3.69E-02	16.5	1.4	2.74E-01		
n407015	69.0	1.0	88.2	1.3	1.31E-02	85.7	1.2	4.45E-01		
n342788	10.0	1.0	12.8	1.3	9.02E-03	13.1	1.3	7.99E-01		
n340794	3.2	1.0	4.0	1.3	4.04E-02	4.3	1.4	5.88E-01		
n340647	1.7	1.0	2.2	1.3	3.92E-02	2.5	1.4	4.37E-01		
n341240	2.8	1.0	3.5	1.3	3.70E-03	4.6	1.7	2.31E-02		
n409199	3.4	1.0	4.3	1.3	2.06E-04	4.4	1.3	6.89E-01		
n410616	4.0	1.0	5.1	1.3	2.71E-02	4.9	1.2	7.01E-01		
n406342	3.2	1.0	4.1	1.3	1.30E-03	4.5	1.4	2.94E-01		
n341171	1.4	1.0	1.7	1.3	1.60E-02	1.8	1.3	9.02E-01		
n410151	3.1	1.0	3.9	1.3	3.63E-02	3.7	1.2	6.81E-01		
n408276	2.4	1.0	3.0	1.3	2.75E-02	2.8	1.2	5.59E-01		
n339624	2.0	1.0	2.5	1.3	3.63E-02	2.9	1.4	2.12E-01		
n383770	2.4	1.0	3.0	1.3	1.60E-02	3.3	1.4	4.68E-01		
n410463	5.8	1.0	7.3	1.3	3.81E-03	7.4	1.3	8.87E-01		
n407780	6.2	1.0	7.8	1.3	2.89E-02	6.9	1.1	3.08E-01		
n409339	4.4	1.0	5.5	1.3	2.01E-02	5.9	1.4	3.17E-01		
n343020	1.6	1.0	2.0	1.3	2.13E-02	2.3	1.5	3.82E-01		
n339276	3.2	1.0	4.0	1.3	1.03E-02	6.3	2.0	2.86E-03		
n409649	3.5	1.0	4.4	1.3	6.55E-03	5.0	1.4	8.37E-02		
n411750	6.6	1.0	8.3	1.3	5.15E-03	7.7	1.2	3.48E-01		
n342865	2.4	1.0	3.0	1.3	4.14E-02	3.1	1.3	8.94E-01		
n410677	16.6	1.0	20.8	1.3	2.30E-02	18.0	1.1	1.04E-01		
n346127	4.9	1.0	6.1	1.3	3.01E-02	5.7	1.2	3.98E-01		
n378721	2.0	1.0	2.5	1.3	2.58E-02	2.1	1.1	1.03E-01		
n409180	2.5	1.0	3.2	1.3	1.14E-02	3.5	1.4	2.31E-01		
n407781	1.6	1.0	2.0	1.3	2.63E-02	2.2	1.4	3.11E-01		
n409269	2.5	1.0	3.2	1.3	1.30E-03	3.2	1.3	7.65E-01		
n408128	2.6	1.0	3.3	1.3	8.95E-03	3.9	1.5	1.26E-01		
n342335	3.4	1.0	4.3	1.3	2.72E-02	4.6	1.3	5.14E-01		
n386362	2.4	1.0	3.0	1.2	3.11E-02	3.1	1.3	6.58E-01		
n383727	2.1	1.0	2.6	1.2	4.53E-02	2.9	1.4	8.65E-02		
n411697	3.5	1.0	4.4	1.2	7.47E-03	4.1	1.2	4.71E-01		
n409315	7.0	1.0	8.7	1.2	4.23E-02	6.4	-1.1	3.45E-02	∨	∨
n410512	1.6	1.0	2.0	1.2	2.43E-02	1.8	1.1	6.20E-02		
n342553	2.2	1.0	2.8	1.2	2.72E-02	3.9	1.8	3.68E-03		
n377761	3.5	1.0	4.4	1.2	7.70E-03	4.1	1.2	2.69E-01		
n338368	2.9	1.0	3.6	1.2	3.83E-02	4.4	1.5	3.69E-02		
n338841	69.9	1.0	86.4	1.2	2.17E-02	83.4	1.2	7.39E-01		
n410673	14.8	1.0	18.2	1.2	6.75E-04	16.2	1.1	2.03E-02		
n407569	1.5	1.0	1.8	1.2	7.87E-03	1.7	1.1	4.15E-01		

n410441	4.7	1.0	5.7	1.2	2.31E-02	5.0	1.1	1.45E-02		
n409268	107.3	1.0	131.8	1.2	5.89E-03	112.9	1.1	8.79E-02		
n342837	22.1	1.0	27.1	1.2	4.00E-05	25.1	1.1	4.29E-02		
n407775	1.8	1.0	2.2	1.2	2.95E-02	2.7	1.5	2.37E-01		
n382329	3.4	1.0	4.2	1.2	2.51E-02	4.3	1.3	7.12E-01		
n407887	44.2	1.0	54.1	1.2	4.32E-02	50.2	1.1	3.13E-01		
n410556	5.0	1.0	6.1	1.2	4.71E-02	6.2	1.2	8.04E-01		
n410504	14.6	1.0	17.8	1.2	1.13E-02	18.1	1.2	8.60E-01		
n406191	1.7	1.0	2.1	1.2	4.55E-04	1.8	1.0	3.43E-02		
n409625	13.7	1.0	16.7	1.2	2.64E-02	24.2	1.8	2.20E-02		
n411654	3.2	1.0	3.9	1.2	1.30E-02	3.9	1.2	9.33E-01		
n338963	12.0	1.0	14.6	1.2	9.81E-03	12.7	1.1	2.08E-01		
n409656	5.0	1.0	6.1	1.2	1.10E-02	5.9	1.2	5.22E-01		
n342719	1.7	1.0	2.1	1.2	4.85E-02	2.3	1.3	4.63E-01		
n341043	12.0	1.0	14.6	1.2	2.39E-02	12.9	1.1	1.45E-01		
n406459	16.2	1.0	19.6	1.2	8.99E-03	19.5	1.2	9.48E-01		
n335646	6.3	1.0	7.6	1.2	2.64E-02	7.5	1.2	9.25E-01		
n790	10.2	1.0	12.3	1.2	3.96E-02	11.3	1.1	3.33E-01		
n410787	7.4	1.0	8.9	1.2	6.74E-03	9.0	1.2	8.88E-01		
n339737	15.4	1.0	18.6	1.2	2.51E-02	24.0	1.6	1.04E-02		
n408280	13.6	1.0	16.4	1.2	3.20E-02	18.2	1.3	3.96E-01		
n408020	1.6	1.0	1.9	1.2	5.78E-03	1.8	1.1	6.85E-01		
n341836	2.8	1.0	3.4	1.2	3.04E-02	3.5	1.2	9.02E-01		
n335709	15.2	1.0	18.2	1.2	1.04E-02	17.8	1.2	7.41E-01		
n407055	6.3	1.0	7.6	1.2	1.27E-02	9.4	1.5	5.30E-02		
n406409	19.1	1.0	15.3	-1.3	6.04E-03	17.6	-1.1	4.79E-03		
n409173	29.0	1.0	23.2	-1.3	3.14E-02	19.4	-1.5	1.68E-01		
n409359	4.3	1.0	3.5	-1.3	1.25E-02	3.9	-1.1	1.25E-01		
n407057	28.0	1.0	22.3	-1.3	8.93E-04	23.5	-1.2	2.66E-01		
n407934	85.1	1.0	67.8	-1.3	1.90E-02	77.1	-1.1	9.28E-02		
n342407	286.8	1.0	228.1	-1.3	1.03E-04	255.1	-1.1	1.57E-01		
n344791	2.4	1.0	1.9	-1.3	4.08E-02	1.4	-1.8	4.09E-02		
n342114	685.7	1.0	541.2	-1.3	4.16E-03	538.6	-1.3	9.70E-01		
n407076	25.3	1.0	19.9	-1.3	2.40E-02	19.6	-1.3	9.03E-01		
n340852	6.5	1.0	5.1	-1.3	4.04E-02	7.1	1.1	5.83E-02		
n410568	5.8	1.0	4.6	-1.3	2.28E-02	5.9	1.0	1.09E-02	∨	∨
n333904	11.3	1.0	8.9	-1.3	2.39E-03	8.8	-1.3	8.63E-01		
n407108	25.1	1.0	19.6	-1.3	4.38E-03	21.2	-1.2	6.41E-02		
n405885	28.0	1.0	21.7	-1.3	3.27E-04	23.0	-1.2	3.39E-01		
n408144	11.9	1.0	9.2	-1.3	4.68E-04	9.0	-1.3	7.03E-01		
n341954	1.6	1.0	1.3	-1.3	3.17E-02	3.4	2.1	1.20E-02		
n341460	1.0	1.0	0.8	-1.3	3.14E-02	1.1	1.1	8.52E-03	∨	∨
n409175	5.9	1.0	4.5	-1.3	7.62E-03	4.9	-1.2	3.73E-01		
n407040	9.0	1.0	6.9	-1.3	1.60E-03	7.4	-1.2	2.56E-01		
n407953	2.3	1.0	1.8	-1.3	3.29E-02	2.2	-1.1	1.70E-01		
n335578	14.2	1.0	10.9	-1.3	5.36E-03	11.4	-1.2	3.01E-01		
n340236	32.8	1.0	24.9	-1.3	3.80E-02	23.6	-1.4	6.94E-01		
n411638	24.8	1.0	18.8	-1.3	1.22E-03	23.5	-1.1	7.31E-02		
n408060	6.8	1.0	5.1	-1.3	5.47E-03	5.8	-1.2	1.10E-01		
n408043	39.2	1.0	29.6	-1.3	1.67E-03	29.8	-1.3	8.73E-01		
n409282	6.5	1.0	4.9	-1.3	4.51E-02	5.7	-1.1	5.01E-02		
n335694	2.6	1.0	2.0	-1.3	2.66E-02	3.1	1.2	1.52E-01		
TCONS_00017504	0.6	1.0	0.5	-1.3	3.90E-02	0.7	1.2	1.19E-01		
n406526	13.0	1.0	9.7	-1.3	8.76E-03	10.7	-1.2	2.73E-01		
n338381	1.3	1.0	1.0	-1.3	4.20E-02	1.0	-1.4	9.73E-01		
n409288	2.7	1.0	2.0	-1.4	1.90E-02	3.2	1.2	1.69E-01		
n343018	29.2	1.0	21.5	-1.4	2.56E-03	30.0	1.0	2.65E-03	∨	∨
n339618	15.6	1.0	11.5	-1.4	1.36E-02	17.0	1.1	6.33E-03	∨	∨
n380677	0.8	1.0	0.6	-1.4	2.44E-02	0.5	-1.4	7.91E-01		
n341044	1.2	1.0	0.9	-1.4	3.25E-02	1.2	-1.0	2.90E-01		
n341540	1.2	1.0	0.8	-1.4	2.99E-02	0.8	-1.4	9.51E-01		
n411603	173.3	1.0	125.1	-1.4	2.64E-04	144.6	-1.2	1.26E-01		
n378671	66.9	1.0	48.2	-1.4	3.52E-02	54.3	-1.2	4.42E-01		
n340733	12.8	1.0	9.1	-1.4	5.63E-04	9.0	-1.4	9.01E-01		
n339657	2.8	1.0	2.0	-1.4	2.79E-02	1.7	-1.7	2.88E-01		
n339261	1.8	1.0	1.3	-1.4	9.54E-03	1.8	-1.0	3.56E-03	∨	∨
n338562	1.9	1.0	1.3	-1.4	4.85E-03	1.3	-1.4	7.96E-01		
n406583	4.8	1.0	3.4	-1.4	2.37E-02	3.7	-1.3	5.96E-01		
n385273	1.5	1.0	1.1	-1.4	9.50E-03	1.6	1.1	4.35E-02	∨	∨
n342760	5.1	1.0	3.5	-1.4	2.56E-03	5.1	1.0	2.15E-02	∨	∨
n407211	1.4	1.0	1.0	-1.4	1.60E-02	1.7	1.2	3.69E-03		
n409341	11.2	1.0	7.8	-1.4	3.23E-04	9.4	-1.2	1.63E-01		
n381031	7.0	1.0	4.9	-1.4	1.60E-02	5.3	-1.3	4.25E-01		
n407979	25.0	1.0	17.3	-1.4	1.43E-02	14.6	-1.7	1.48E-01		
n333334	10.4	1.0	7.1	-1.5	2.90E-03	11.5	1.1	1.66E-03		
n335652	22.2	1.0	15.2	-1.5	3.53E-05	12.3	-1.8	2.51E-02		
n407850	5.9	1.0	4.0	-1.5	1.51E-02	13.9	2.4	2.46E-02		
n405951	1.1	1.0	0.7	-1.5	3.95E-02	1.1	-1.0	7.66E-02		
n337710	9.8	1.0	6.6	-1.5	2.60E-02	7.2	-1.4	3.42E-01		
n342706	331.2	1.0	222.9	-1.5	2.70E-03	245.2	-1.4	5.84E-01		
n340836	3.7	1.0	2.5	-1.5	8.66E-04	2.8	-1.3	4.55E-01		
n409105	1.6	1.0	1.1	-1.5	1.58E-03	1.6	-1.0	2.36E-03	∨	∨
n411692	2.9	1.0	1.9	-1.5	2.48E-03	2.5	-1.1	6.05E-02		

n342206	14.1	1.0	9.4	-1.5	4.45E-03	11.4	-1.2	6.35E-02		
n406466	0.8	1.0	0.5	-1.5	2.78E-02	1.0	1.3	6.74E-03		
n380484	3.1	1.0	2.0	-1.5	7.80E-03	3.6	1.2	6.70E-03		
n342843	3.8	1.0	2.5	-1.5	2.96E-02	5.7	1.5	4.10E-03		
n381030	10.6	1.0	6.9	-1.5	5.37E-04	8.6	-1.2	5.32E-02		
n342205	7.1	1.0	4.6	-1.5	4.33E-02	5.5	-1.3	2.78E-03		
n341759	3.9	1.0	2.5	-1.5	5.83E-03	4.5	1.2	2.17E-02		
n342839	3.3	1.0	2.1	-1.6	2.15E-02	4.7	1.4	2.28E-02		
n338685	0.6	1.0	0.4	-1.6	2.95E-02	0.6	1.1	1.01E-02		
n378134	5.7	1.0	3.6	-1.6	1.57E-02	6.1	1.1	5.25E-02		
n409060	17.0	1.0	10.6	-1.6	2.13E-03	12.2	-1.4	3.97E-01		
n344454	3.1	1.0	1.9	-1.6	1.55E-02	2.4	-1.3	1.84E-01		
n410608	5.6	1.0	3.5	-1.6	3.69E-02	3.7	-1.5	8.93E-01		
n385535	11.0	1.0	6.7	-1.6	3.18E-03	7.4	-1.5	6.19E-01		
n338140	2.4	1.0	1.5	-1.6	4.66E-03	3.0	1.3	1.90E-02		
n340534	0.9	1.0	0.5	-1.6	1.04E-02	0.9	-1.0	3.58E-02	√	√
n343066	219.2	1.0	132.7	-1.7	4.51E-02	127.8	-1.7	7.64E-01		
n340843	1.0	1.0	0.6	-1.7	3.73E-03	0.9	-1.1	3.36E-02	√	√
n338279	17.3	1.0	10.4	-1.7	1.53E-04	9.3	-1.9	2.01E-01		
n333986	315.1	1.0	189.8	-1.7	4.67E-02	187.0	-1.7	8.75E-01		
n339152	16.0	1.0	9.4	-1.7	3.29E-03	8.9	-1.8	8.04E-01		
n339574	2.1	1.0	1.2	-1.7	1.99E-02	1.1	-1.9	7.31E-01		
n338787	9.7	1.0	5.6	-1.7	5.70E-04	9.3	-1.0	8.17E-02		
TCONS_00012453	1.1	1.0	0.6	-1.7	3.00E-02	0.7	-1.6	8.65E-01		
n342544	0.5	1.0	0.3	-1.8	4.89E-02	0.5	-1.1	3.11E-02	√	√
n346121	3.2	1.0	1.8	-1.8	9.49E-05	2.1	-1.5	8.63E-02		
n346329	1.3	1.0	0.7	-1.8	7.80E-03	0.7	-1.9	7.87E-01		
n335671	40.3	1.0	22.0	-1.8	1.59E-03	22.9	-1.8	7.48E-01		
TCONS_00015564	2.1	1.0	1.1	-1.9	3.02E-02	1.5	-1.4	4.93E-02		√
TCONS_00029435	1.2	1.0	0.6	-1.9	8.49E-04	0.5	-2.3	4.44E-01		
n410722	2.3	1.0	1.2	-1.9	1.98E-02	1.5	-1.5	3.94E-02		√
n340147	1.0	1.0	0.5	-1.9	7.01E-03	0.5	-2.1	7.28E-01		
n408908	43.5	1.0	22.8	-1.9	3.04E-03	36.5	-1.2	2.32E-02		√
n341343	8.5	1.0	4.4	-1.9	1.45E-03	6.0	-1.4	6.34E-02		
n406139	8.8	1.0	4.6	-1.9	2.74E-04	10.5	1.2	3.15E-02		
n337293	7.1	1.0	3.7	-1.9	1.46E-02	6.1	-1.2	4.77E-02		√
n338544	0.9	1.0	0.5	-2.0	2.95E-02	0.8	-1.2	7.63E-02		
n3894	1.9	1.0	1.0	-2.0	4.08E-02	1.2	-1.6	6.52E-01		
n338142	5.8	1.0	3.0	-2.0	1.11E-03	4.2	-1.4	3.87E-02		√
n340299	15.8	1.0	8.0	-2.0	2.58E-02	6.0	-2.6	4.28E-02		
n409244	38.2	1.0	19.1	-2.0	2.75E-04	25.5	-1.5	7.83E-02		
n410706	29.2	1.0	14.1	-2.1	4.58E-02	38.3	1.3	1.36E-01		
n408252	1.0	1.0	0.5	-2.1	1.21E-03	0.4	-2.3	7.04E-01		
n340146	3.9	1.0	1.8	-2.2	7.66E-03	1.7	-2.3	8.85E-01		
n342938	1.2	1.0	0.6	-2.2	2.16E-02	2.5	2.1	4.15E-02		
n385559	4.3	1.0	2.0	-2.2	1.11E-03	2.9	-1.5	6.71E-02		
n336898	3.2	1.0	1.4	-2.2	1.40E-02	3.8	1.2	3.94E-01		
n385557	0.7	1.0	0.3	-2.2	3.87E-02	0.5	-1.3	1.34E-01		
n379445	2.1	1.0	0.9	-2.3	4.13E-02	1.0	-2.1	8.44E-01		
TCONS_00016476	1.3	1.0	0.6	-2.3	4.46E-03	1.2	-1.1	9.63E-02		
TCONS_00016948	4.2	1.0	1.9	-2.3	1.19E-02	2.6	-1.6	1.42E-01		
TCONS_00023459	0.9	1.0	0.4	-2.5	2.33E-02	0.6	-1.6	9.65E-02		
n334005	1.2	1.0	0.4	-2.7	6.47E-03	0.5	-2.2	5.84E-01		
n380635	0.6	1.0	0.2	-2.9	2.05E-03	0.7	1.2	1.81E-03		
n408236	0.8	1.0	0.3	-3.1	4.74E-02	0.6	-1.3	3.09E-02		√
TCONS_00015553	0.9	1.0	0.3	-3.2	4.09E-03	0.3	-2.7	6.26E-01		
n337853	2.2	1.0	0.7	-3.2	7.17E-03	2.0	-1.1	6.64E-03	√	√
n339157	2.6	1.0	0.8	-3.2	7.30E-03	1.5	-1.8	6.50E-02		
n339715	0.3	1.0	0.1	-3.2	1.68E-02	0.5	1.6	3.26E-02		
n411751	2.6	1.0	0.8	-3.3	5.50E-04	0.9	-2.8	7.51E-01		
n407909	3.2	1.0	0.9	-3.5	2.45E-02	0.7	-4.8	2.97E-01		
TCONS_00025402	0.6	1.0	0.2	-3.9	4.01E-02	0.2	-3.0	7.37E-01		
TCONS_00008443	0.6	1.0	0.2	-3.9	3.10E-03	0.6	-1.1	7.30E-02		
n338599	0.7	1.0	0.2	-4.5	3.70E-02	0.1	-7.9	1.25E-01		
n384299	0.8	1.0	0.2	-4.6	3.97E-04	0.5	-1.7	2.23E-01		
n339156	1.0	1.0	0.2	-4.6	4.78E-03	0.8	-1.2	2.06E-03		√
n335657	3.9	1.0	0.8	-5.1	1.84E-02	2.8	-1.4	6.30E-02		
TCONS_00012631	0.6	1.0	0.1	-5.1	4.86E-03	0.4	-1.5	1.71E-02		√
n409074	0.9	1.0	0.1	-6.8	1.72E-02	0.3	-2.9	1.09E-01		
n332638	1.7	1.0	0.2	-7.0	2.78E-02	0.8	-2.2	1.75E-01		
TCONS_00024424	3.1	1.0	0.4	-7.9	3.16E-02	0.5	-6.1	1.07E-01		
n345956	0.5	1.0	0.1	-8.6	4.03E-02	0.1	-6.9	5.58E-01		
n407725	0.8	1.0	0.1	-8.6	4.75E-02	0.6	-1.3	2.42E-02		√

Supplemental Table S16. lncRNAs abnormally expressed with heart failure but normalized* with LVAD support

lncRNA	NF (RPKM+0.1)	ICM pre-LVAD		ICM post-LVAD	
		Fold Change	P Value	Fold Change	P Value†
n339730	0.1	9.0	1.59E-03	-1.0	4.88E-03
n408065	0.1	3.0	2.09E-02	-1.0	3.39E-02
KCONS_00000467	0.5	2.4	1.40E-04	1.0	3.48E-04
n406465	0.4	2.1	1.73E-02	-1.0	2.90E-02
n340499	0.6	1.8	6.41E-03	-1.0	1.92E-02
n335515	1.0	1.7	1.32E-02	-1.1	1.28E-02
n406597	1.9	1.7	2.53E-02	1.1	4.49E-02
n341120	0.6	1.6	1.42E-02	1.1	3.58E-02
TCONS_00008328	1.3	1.6	3.04E-02	1.1	4.95E-02
n346209	1.6	1.6	3.68E-02	-1.1	1.03E-02
TCONS_00027439	0.7	1.6	1.88E-02	1.0	2.67E-03
n384258	1.7	1.5	6.45E-03	1.0	2.68E-02
n410133	2.0	1.4	1.08E-02	1.1	7.55E-03
n342880	3.0	1.4	8.82E-03	1.1	4.01E-03
n340631	3.1	1.4	2.54E-03	-1.0	3.44E-02
n410077	3.1	1.4	3.72E-02	-1.0	1.03E-02
n339841	3.3	1.4	1.32E-02	-1.1	1.99E-02
n408079	2.6	1.4	5.70E-03	1.0	3.25E-02
n406564	1.9	1.4	2.54E-02	1.0	4.38E-02
n340297	140.6	1.4	4.62E-02	-1.0	3.95E-02
n411041	1.0	1.4	3.24E-03	-1.0	1.67E-02
n382502	8.6	1.3	1.50E-02	-1.1	9.10E-03
n409268	107.3	1.3	1.28E-02	-1.1	5.03E-03
n383233	4.8	-1.3	4.19E-02	1.1	5.16E-03
n407211	1.4	-1.4	3.22E-02	1.0	2.48E-02
n339156	1.0	-4.1	7.15E-03	-1.1	1.71E-02

lncRNA	NF (PMMR+0.1)	NICM pre-LVAD		NICM post-LVAD	
		Fold Change	P Value	Fold Change	P Value†
n340740	1.9	2.0	2.49E-02	-1.1	1.99E-02
n340512	0.6	1.9	5.19E-03	1.0	2.03E-02
n341189	2.1	1.8	1.17E-02	1.1	1.97E-02
TCONS_00009272	0.9	1.8	5.79E-03	-1.0	3.89E-04
n340062	2.0	1.8	2.31E-02	1.0	4.67E-02
n341425	0.6	1.7	1.10E-02	-1.0	3.70E-02
n333054	3.2	1.7	2.90E-02	-1.0	2.05E-03
n384394	0.8	1.6	2.25E-02	-1.1	3.25E-02
n386063	2.2	1.6	7.04E-05	1.0	4.03E-03
n411677	0.7	1.5	2.79E-02	1.1	2.95E-02
n341697	0.7	1.5	7.12E-03	1.1	3.03E-02
n336952	0.8	1.5	1.57E-02	-1.0	3.27E-02
TCONS_00008328	1.3	1.5	1.85E-02	1.0	2.51E-02

n408198	3.3	1.5	2.12E-03	1.1	3.20E-02
n408895	1.1	1.4	4.50E-03	-1.0	1.13E-02
n335587	13.1	1.4	4.12E-02	-1.0	1.01E-02
n339370	0.6	1.3	9.36E-03	-1.0	3.63E-02
n409315	7.0	1.2	4.23E-02	-1.1	3.45E-02
n410568	5.8	-1.3	2.28E-02	1.0	1.09E-02
n341460	1.0	-1.3	3.14E-02	1.1	8.52E-03
n343018	29.2	-1.4	2.56E-03	1.0	2.65E-03
n339618	15.6	-1.4	1.36E-02	1.1	6.33E-03
n339261	1.8	-1.4	9.54E-03	-1.0	3.56E-03
n385273	1.5	-1.4	9.50E-03	1.1	4.35E-02
n342760	5.1	-1.4	2.56E-03	1.0	2.15E-02
n409105	1.6	-1.5	1.58E-03	-1.0	2.36E-03
n340534	0.9	-1.6	1.04E-02	-1.0	3.58E-02
n340843	1.0	-1.7	3.73E-03	-1.1	3.36E-02
n342544	0.5	-1.8	4.89E-02	-1.1	3.11E-02
n337853	2.2	-3.2	7.17E-03	-1.1	6.64E-03

*Abnormal expression: > 1.2 fold change comparing to NF mean; normalization: normalized expression level to < 1.1 fold different from NF mean.

†Paired sample Wilcoxon signed rank test between ICM/NICM samples before and after LVAD support.